

Munmun De Choudhury

CONTACT

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APPOINTMENTS

School of Interactive Computing, Georgia Institute of Technology
Associate Professor (Tenured), Aug 2020—

School of Interactive Computing, Georgia Institute of Technology
Assistant Professor (Tenure-Track), Jan 2014—July 2020

neXus Research Group, Microsoft Research, Redmond
Postdoctoral Researcher, Sep 2011—Aug 2013

School of Communication & Information, Rutgers University, New Jersey
Visiting Research Fellow, Mar 2011—Sep 2011

VIBE Research Group, Microsoft Research, Redmond
Research Intern, May 2010—Aug 2010

Micro-Economics and Social Systems, Yahoo! Research
Research Intern, May 2009—Aug 2009

Collaborative Applications Research Group, Avaya Labs
Research Scientist Intern, May 2006—Aug 2006

Department of Computer Science, Arizona State University
Graduate Research Assistant, Aug 2005—Feb 2011

EDUCATION

Doctor of Philosophy, Computer Science
Arizona State University (2005—2011)
School of Computing, Informatics and Decision Systems Engineering
Tempe, AZ, USA

- *Dissertation*: Analyzing the Dynamics of Communication in Online Social Networks
- *Committee*: Hari Sundaram (chair), K. Selcuk Candan, Huan Liu, Duncan Watts (Yahoo! Research), Doree Seligmann (Avaya Labs)

Bachelor of Technology
National Institute of Technology (2001—2005)
Department of Computer Science and Information Technology
Bhopal, India

- *Thesis*: Pattern Recognition of Geographic Structures in Satellite Imagery
- *Department Silver Medalist*

HONORS AND
AWARDS

- **SIGCHI Societal Impact Award**, 2023.
- **ICWSM Test-of-Time Award**, 2023.
- Impact Recognition, CSCW 2023.
- Best Paper Honorable Mention, CHI 2023.
- 2022 AI2000 Most Influential Scholar in “HCI” (Ranked #1).
- **Web Science Trust Test-of-Time Award**, 2022.
- Best Paper Award, CHI 2022.
- Best Paper Honorable Mention (×2), CHI 2022.
- College of Computing Outstanding Mid-Career Faculty Research Award, 2022.
- **ACM-W Rising Star Award**, 2021.
- Best Paper Award, CHI 2021.
- 2020 Kavli Fellow, National Academy of Sciences.
- Best Paper Honorable Mention, WristSense 2020.
- **Complex Systems Junior Scientific Award**, 2019.
- The James D. Lester III Family Award, Georgia Tech, 2019.
- Outstanding Study Design Paper Award, ICWSM 2019.
- Mozilla Faculty Award, 2018.
- Best Paper Award, ICWSM 2017.
- Best Paper Award, CSCW 2017.
- Best Paper Award, ICWSM 2016.
- Best Paper Honorable Mention, CHI 2016.
- Best Paper Honorable Mention (×2), CSCW 2016.
- Georgia Tech “Faces of Inclusive Excellence”, 2016.
- Facebook Faculty Award, 2016.
- ACM Multimedia Rising Stars, 2016.
- Yahoo Faculty Engagement Award, 2015.
- Class of 1969 Teaching Fellow, Center for the Enhancement of Teaching and Learning (CETL), Georgia Tech 2015-16.
- James Edenfield Faculty Fellowship Award, 2015.
- Lee Dirks Award for Best Research Paper, iConference 2015.
- Best Paper Award, CHI 2014.
- “15 Women in Data to Follow”, Center for Data Innovation, 2014.
- Best Paper Nomination, CSCW 2013.
- Best Paper Honorable Mention, CHI 2012.
- Facebook Fellowship Finalist, 2010-2011.
- 6th IBM Watson Emergent Leaders in Multimedia, 2010.
- Grace Hopper Scholarship, 2007, 2008.
- **Silver Medal, Computer Science Department, NIT Bhopal**, 2005.
- Jagadis Bose National Science Talent Search Scholarship, 2001.

GRANTS, GIFTS,
AND CONTRACTS**Total funds generated as a PI or Co-PI: \$42+ million (2014-2023)**

- Co-I: National Institute of Mental Health (NIMH): *Interpersonal Stress, Social Media, and Risk for Adolescent Suicidal Thoughts and Behaviors*, Total funded amount: \$3,933,234, GT share: \$573,784 (2023-2027).
- Co-I: National Institute on Drug Abuse (NIDA): *Auditing Social Media Algorithmic Pathways to Measure Prevalence of Online Misinformation Related to Opioid Misuse*, Total funded amount: \$426,285, GT share: \$92,333 (2023-2025).
- Co-I: American Foundation for Suicide Prevention: *Development and Feasibility Testing of a Suicide Prevention Intervention for Sexual and Gender Minority Youth*, GT share: \$13,000 (2023-2024).
- Co-I: University of Pittsburgh: *Examining psychosocial correlates of loneliness and perceived isolation among marginalized youth*, GT share: \$110,893 (2023-2025).
- Co-I: National Institutes of Health (NIH): *The Center for Enhancing Treatment and Utilization for Depression and Emergent Suicidality (ETUDES) in Pediatric Primary Care*, Total funded amount: \$16,268,210; GT share: \$1,081,546 (2022-2027).
- PI: American Foundation for Suicide Prevention: *Machine Learning Approaches to Identify and Predict the Presence and Severity of Suicidal Thoughts and Behaviors by Integrating Online Activity and Clinical Information*, Total funded amount: \$100,000; GT share: \$80,000 (2022-2024).
- Co-I: National Institutes of Health (NIH): *Development and Testing of imHere4U: A Digital Suicide Prevention Intervention for Cyberbullied Adolescents*, GT share: \$26,275 (2022-2026).
- Co-PI: National Science Foundation (NSF) (#2230692): *NSF Convergence Accelerator Track F: Course Correct: Precision Guidance Against Misinformation*, Total funded amount: \$5,000,000; GT share: \$1,350,000 (2022-2024).
- Co-PI: Centers for Disease Control and Prevention (CDC), *Community Violence-Provoking Health Misinformation: Detection, Measurement, Impact, and Solution*, Total funded amount: \$678,000; GT share: \$448,000 (2022-2024).
- Co-PI: National Science Foundation (NSF) (#2137724), *NSF Convergence Accelerator Track F: How Large-Scale Identification and Intervention Can Empower Professional Fact-Checkers to Improve Democracy and Public Health*, Total funded amount: \$750,000; GT share: \$184,715 (2021-2022).
- PI: National Science Foundation (NSF) (#2027689), *RAPID: Social Media Algorithms and Interventions to Tackle the Psychological Impact of the COVID-19 Crisis*, Total funded amount: \$199,871; Personal/GT share: \$175,000 (2020-2021).
- PI: Cisco Systems, *Understanding and Improving the Wellness of the Remote Worker in a Post-Pandemic World*, Total funded amount: \$160,107 (2020-2021).
- PI: Microsoft, *Improve helpline efficacy through caller to volunteer matching for cultural competency and other traits*, Total funded amount: \$100,000 (2020-2021).
- PI: Injury Prevention Research Center (CDC), *Leveraging Physical and Online Digital Infrastructures to Infer College Students' Social Isolation and its Relationship to Risk of Suicide*, Total funded amount: \$50,000 (2020-2021).
- Co-PI: John Templeton Foundation, *Public Expressions of Gratitude to God on Social Media*, Total funded amount: \$250,000; Personal share: \$120,000 (2020-2022).
- PI: National Institutes of Health (NIH) (#R01MH117172), *Leveraging Social Media Data and Machine Learning to Optimize Treatment Paradigms for Youth with Schizophrenia*. Total funded amount: \$2,593,246; Personal share: \$1,815,272 (2019-2023).
- (Sole) PI: Centers for Disease Control and Prevention (CDC), *Enhancing Computational Approaches for Overdose Prevention Using Novel Methodologies*. \$207,901 (2019-2020).
- (Sole) PI: Everytown Gun Safety, *A Social Media Study to Understand Citizen Responses and Psychological Impacts of Active Shooter Drills in K-12 School*. \$155,140 (2019).

- PI: National Science Foundation (NSF) (#1816403), *CHS: Small: Collaborative Research: Tools for Mental Health Reflection: Integrating Social Media with Human-Centered Machine Learning*. Total funded amount: \$498,202; Personal share: \$284,843 (2018–2021).
- Co-PI: PI: National Science Foundation (NSF) (#1827700), *PFI-RP: A Multi-Disciplinary Approach to Detecting Adolescent Online Risks*. Total funded amount: \$766,000; Personal share: \$238,102 (2018–2022).
- (Sole) PI: Northwell Health, *Employing Online Activity Data and Machine Learning to Reduce Duration of Untreated Psychosis and Prevent Relapse*. \$200,000 (2019–2020).
- (Sole) PI: Centers for Disease Control and Prevention (CDC), *Assessing National- and State-Level Suicide Rates By Integrating Social Media and Ensemble Data*. \$300,000 (2018–2020).
- Co-PI: Intelligence Advanced Research Projects Activity (IARPA), *A Comprehensive Approach to Modeling Job Performance via Unobtrusive, Continuous, Multimodal Sensing*. Total funded amount: \$7,983,798; Personal share: \$882,395 (2017–2020).
- PI: National Institutes of Health (NIH) (#R01GM112697), *Social Media Signals for Post-traumatic Stress and Anxiety in Crisis-Inflicted Communities*. Total funded amount: \$1,449,931; Personal share: \$1,109,931 (2014–2020).
- (Sole) PI: United Nations Foundation, *Social Media Measures of Adolescent Mental Health in Developing Countries*. \$100,000 (2015–2016).
- PI: Edenfield Faculty Award (Georgia Tech), *Identifying Risks to Psychological Distress in University Student Populations from Online Interaction Data*. \$30,000 (2015–2016).
- (Sole) PI: Mozilla, unrestricted gift \$45,000.
- (Sole) PI: Samsung, unrestricted gift \$30,000.
- (Sole) PI: Yahoo! Labs, unrestricted gift \$22,500.
- (Sole) PI: Instagram/Facebook, unrestricted gift \$30,000.

PUBLICATIONS

- Refereed Conference Proceedings (Archival)**¹ (*: Student Author; †: At Georgia Tech)
- [C1] † Zhou, J.*, Zhang, Y.*, Luo, Q.*, Parker, A., and **De Choudhury, M.** (2023). *Synthetic Lies: Understanding AI-Generated Misinformation and Evaluating Algorithmic and Human Solutions*. In Proceedings of the 2023 CHI Conference on Human Factors in Computing Systems. CHI 2023.
Best Paper Honorable Mention
- [C2] † Das Swain, V.*, Gao, L.*, Wood, W.*, Matli, S.*, Abowd, G. and **De Choudhury, M.** (2023). *Algorithmic Power or Punishment: Information Worker Perspectives on Passive Sensing Enabled AI Phenotyping of Performance and Wellbeing*. In Proceedings of the 2023 CHI Conference on Human Factors in Computing Systems. CHI 2023.
- [C3] † Mittal, S.* and **De Choudhury, M.** (2023). *Moral Framing of Mental Health Discourse and Its Relationship to Stigma: A Comparison of Social Media and News*. In Proceedings of the 2023 CHI Conference on Human Factors in Computing Systems. CHI 2023.
- [C4] † Chandra, M.* and **De Choudhury, M.** (2023). *What Makes Some Workplaces More Favorable to Remote Work? Unpacking Employee Experiences During COVID-19 Via Glassdoor*. Proceedings of the 15th ACM Web Science Conference. WebSci 2023.
- [C5] † Ajmani, L. H.*, Chancellor, S., Mehta, B., Fiesler, C., Zimmer, M., and **De Choudhury, M.** (2023). *A Systematic Review of Ethics Disclosures in Predictive Mental Health Research*. In Proceedings of the 2023 ACM Conference on Fairness, Accountability, and Transparency (pp. 1311-1323).

¹Leading conferences in computer science (e.g., CHI, ICWSM, TheWebConf) are highly selective, undergo rigorous peer-review involving 3-4 expert referees, and intended for archival papers only. These conferences often exceed journals in their selectivity, visibility, and impact. Please see <http://portal.acm.org/citation.cfm?id=1743546.1743569> for details. Wherever available, the acceptance rate is provided following each citation. In the past decade, several CS conferences have also moved to a hybrid model with a journal component (e.g., CSCW, IMWUT); however, many of them are too new to have accrued bibliometric indicators such as impact factors.

- [C6] † Chen, K., Babaeianjelodar, M., Shi, Y., Janmohamed, K., Sarkar, R., Weber, I., Davidson, T., **De Choudhury, M.**, Huang, J., Yadav, S., Khudabukhsh, A., Bauch, C., Nakov, P.I., Papakyrakopoulos, O., Saha, K., Khoshnood, K., and Kumar, N. (2023). *Partisan US News Media Representations of Syrian Refugees*. In Proceedings of the 16th International AAAI Conference on Web and Social Media. ICWSM 2023.
- [C7] † Das Swain, V.* , Chen, V.* , Mishra, S.* , Mattingly, S., Abowd, G., and **De Choudhury, M.** (2022). *Semantic Gap in Predicting Mental Wellbeing through Passive Sensing*. In Proceedings of the 2022 CHI Conference on Human Factors in Computing Systems. CHI 2022.
Best Paper Honorable Mention
- [C8] † Pendse, S. R.* , Nkemelu, D.* , Bidwell, N., J., Jadhav, S., Pathare, S., **De Choudhury, M.** ‡, and Kumar, N. ‡ (2022). *From Treatment to Healing: Envisioning a Decolonial Digital Mental Health*. In Proceedings of the 2022 CHI Conference on Human Factors in Computing Systems. CHI 2022. ‡ *Co-supervising authors*
Best Paper Honorable Mention
- [C9] † Ali, S.* , Razi, A.* , Kim, S.* , Alsoubai, A.* , Gracie, J.* , **De Choudhury, M.**, Wisniewski, P., and Stringhini, G. (2022). *Understanding the Digital Lives of Youth: Analyzing Media Shared within Safe Versus Unsafe Private Conversations on Instagram*. In Proceedings of the 2022 CHI Conference on Human Factors in Computing Systems. CHI 2022.
Best Paper Award
- [C10] † Hall, K.* , Yoo, D. W.* , Zhang, W.* , Bin Morshed, M.* , Das Swain, V.* , Abowd, G., **De Choudhury, M.**, Endert, A., Stasko, J., and Kim, J. (2022). *Supporting the Contact Tracing Process with WiFi Location Data: Opportunities and Challenges*. In Proceedings of the 2022 CHI Conference on Human Factors in Computing Systems. CHI 2022.
- [C11] † Verma, G.* , Mujumdar, R.* , Wang, Z.* J., **De Choudhury, M.**, and Kumar, S. (2022). *Overcoming Language Disparity in Online Content Classification with Multimodal Learning*. In Proceedings of the International AAAI Conference on Web and Social Media (Vol. 16, pp. 1040-1051).
- [C12] † Chen, K., Shi, Y., Luo, J., Jiang, J., Yadav, S., **De Choudhury, M.**, Khudabukhsh, A.R., Babaeianjelodar, M., Altice, F.L. and Kumar, N., 2022. *How Is Vaping Framed on Online Knowledge Dissemination Platforms?* In International Conference on Social Computing, Behavioral-Cultural Modeling and Prediction and Behavior Representation in Modeling and Simulation (pp. 68-78). Springer, Cham.
- [C13] † Pendse, S.* , Sharma, A., Vashistha, A., **De Choudhury, M.**, and Kumar, N. (2021). *“Can I Not Be Suicidal On a Sunday?”: Understanding Technology-Mediated Pathways to Mental Health Support*. In Proceedings of the 2021 CHI Conference on Human Factors in Computing Systems. CHI 2021. [26%]
Best Paper Award
- [C14] † Saha, K.* , Seybolt, J.* , Mattingly, S., Aledavood, T., Konjeti, C.* , Martinez, G.* , Grover, T.* , Mark, G., and **De Choudhury, M.** (2021). *What Life Events are Disclosed on Social Media, How, When, and By Whom?* In Proceedings of the 2021 CHI Conference on Human Factors in Computing Systems. CHI 2021. [26%]
- [C15] † Devakumar, A. ‡* , Modh, J. ‡* , Saket, B. ‡* , Baumer, EPS, and **De Choudhury, M.** (2021). *A Review on Strategies for Data Collection, Reflection, and Communication in Eating Disorder Apps*. In Proceedings of the 2021 CHI Conference on Human Factors in Computing Systems. CHI 2021. ‡ Equal contribution [26%]
- [C16] † Kim, S.* , Razi, A., Stringhini, G., Wisniewski, P., and **De Choudhury, M.** (2021). *You Don’t Know How I Feel: Insider-Outsider Perspective Gaps in Cyberbullying Risk Detection*. In Proc. ICWSM 2021: 15th International AAAI Conference on Web and Social Media.

- [C17] † ElSherief‡, M., Ziems‡*, C., Muchlinski, D., Anupindi, V.*, Seybolt, J.*, **De Choudhury, M.**, and Yang, D. (2021). *Latent Hatred: A Benchmark for Understanding Implicit Hate Speech*. In Proc. EMNLP 2021: 2021 Conference on Empirical Methods in Natural Language Processing. ‡ *Co-first authors*
- [C18] † Das Swain, V.‡, Saha, K.‡, Reddy, M. D., Rajvanshy, H., Abowd, G. D., and **De Choudhury, M.** (2020). *Modeling Organizational Culture with Workplace Experiences Shared on Glassdoor*. In Proc. CHI 2020: CHI Conference on Human Factors in Computing Systems. ‡ *Co-first authors* [24%]
- [C19] † Pendse, S. R.*, Lalani, F. M.*, **De Choudhury, M.**, Sharma, A., and Kumar, N. (2020). *“Like Shock Absorbers”: Understanding Human Infrastructures of Technology-Mediated Mental Health Support*. In Proc. CHI 2020: CHI Conference on Human Factors in Computing Systems. [24%]
- [C20] † Bin Morshed, M.*, Saha, K.*, **De Choudhury, M.**, Abowd, G., and Ploetz, T. (2020). *Measuring Self-Esteem with Passive Sensing*. In Proc Pervasive Health 2020: The 14th EAI International Conference on Pervasive Computing Technologies for Healthcare.
- [C21] † Saha, K.*, Ernala, S. K.*, Dutta, S.*, Sharma, E.*, and **De Choudhury, M.** (2020) *Understanding Moderation in Online Mental Health Communities*. In Proc. HCII 2020: 22nd International Conference on Human-Computer Interaction.
- [C22] † Dutta, S.* and **De Choudhury, M.** (2020). *Characterizing Anxiety Disorders with Online Social and Interactional Networks*. In Proc HCII 2020: 22nd International Conference on Human-Computer Interaction - Late Breaking Work.
- [C23] † Saha, K.*, Sugar, B.*, Torous, J., Abrahao, B., Kiciman, E., and **De Choudhury, M.** (2019) *A Social Media Study on the Effects of Psychiatric Medication Use*. In Proc. ICWSM 2019: 13th International AAAI Conference on Web and Social Media.
Outstanding Study Design Paper Award
- [C24] † Saha, K.*, Reddy, M. D.*, Das Swain, V.*, Gregg, J. M., Grover, T.*, Lin, S.*, Martinez, G. J.*, Mattingly, S.M., Mirjafari, S.*, Mulukutla, R.*, Nies, K., Robles-Granda, P., Sirigiri, A., Yoo, D. W.*, Audia, P., Campbell, A. T., Chawla, N. V., D’Mello, S. K., Dey, A. K., Jiang, K., Liu, Q., Mark, G., Moskal, E., Striegel, A., and **De Choudhury, M.** (2019). *Imputing Missing Social Media Data Streams in Multisensor Studies of Human Behavior*. In Proc. ACII 2019: 8th International Conference on Affective Computing and Intelligent Interaction.
- [C25] † Yoo, D. W.*, and **De Choudhury, M.** (2019) *Designing Dashboard for Campus Stakeholders to Support College Student Mental Health*. In Proc Pervasive Health 2019: 13th EAI International Conference on Pervasive Computing Technologies for Healthcare.
- [C26] † Saha, K.*, Chandrasekharan, E.*, and **De Choudhury, M.** (2018). *Prevalence and Psychological Effects of Hateful Speech in Online College Communities*. In Proc. WebSci 2019: the 11th International ACM Web Science Conference.
- [C27] † Ernala, S. K.*, Birnbaum, M. L., Candan, K., Rizvi, A., Sterling, W. A., Kane, J. M., and **De Choudhury, M.** (2019). *Methodological Gaps in Predicting Mental Health States from Social Media: Triangulating Diagnostic Signals*. In Proc. CHI 2019: CHI Conference on Human Factors in Computing Systems. [23.8%]
- [C28] † Chancellor, S.*, Nitzburg, G., Hu, A.*, Zampieri, F.*, and **De Choudhury, M.** (2019). *Discovering Alternative Treatments for Opioid Use Recovery Using Social Media*. In Proc. CHI 2019: CHI Conference on Human Factors in Computing Systems. [23.8%]
- [C29] † Chancellor, S.*, Birnbaum, M. L., Caine, E., Silenzio, V., and **De Choudhury, M.** (2019). *A Taxonomy of Ethical Tensions in Inferring Mental Health States from Social Media*. In Proc. FAT* 2019: 2nd ACM Conference on Fairness, Accountability, and Transparency, to appear. [24%]

- [C30] † Saha, K.*, Weber, I., and **De Choudhury, M.** (2018). *A Social Media Based Examination of the Effects of Counseling Recommendations After Student Deaths on College Campuses*. In Proc. ICWSM 2018: 12th International AAAI Conference on Web and Social Media. [16%]
- [C31] † Ernala, S. K.*, Birnbaum, M., Rizvi, A., Kane, J., and **De Choudhury, M.** (2018). *Characterizing Audience Engagement and Assessing its Impact on Social Media Disclosures of Mental Illnesses*. In Proc. ICWSM 2018: 12th International AAAI Conference on Web and Social Media. [16%]
- [C32] † Sharma, E.* and **De Choudhury, M.** (2018). *Mental Health Support and its Relationship to Linguistic Accommodation in Online Communities*. In Proc. CHI 2018: 35th ACM Conference on Human Factors in Computing Systems.
- [C33] † Chancellor, S.* and **De Choudhury, M.** (2018). *Norms Matter: Contrasting Social Support Around Behavior Change in Online Weight Loss Communities*. In Proc. CHI 2018: 35th ACM Conference on Human Factors in Computing Systems.
- [C34] † **De Choudhury, M.** and Kiciman, E. (2017). *The Language of Social Support in Social Media and its Effect on Suicidal Ideation Risk*. In Proc. ICWSM 2017: 11th International AAAI Conference on Web and Social Media. [14%]
Best Paper Award
- [C35] † Bagroy, S.*, Kumaraguru, P., and **De Choudhury, M.** (2017). *A Social Media Based Index of Mental Well-Being in College Campuses*. In Proc. CHI 2017: 34th Annual ACM Conference on Human Factors in Computing Systems. [25%]
- [C36] † Manikonda, L.*, and **De Choudhury, M.** (2017). *Modeling and Understanding Visual Attributes of Mental Health Disclosures in Social Media*. In Proc. CHI 2017: 34th Annual ACM Conference on Human Factors in Computing Systems. [25%]
- [C37] † Chancellor, S.*, Kalantidis, Y., Pater, J.*, **De Choudhury, M.**, and Shamma, D. A. (2017). *Multimodal Classification of Moderated Online Pro-Eating Disorder Content*. In Proc. CHI 2017: 34th Annual ACM Conference on Human Factors in Computing Systems. [25%]
- [C38] † **De Choudhury, M.**, Sharma, S.*, Logar, T., Eekhout, W., and Nielsen, R. (2017). *Gender and Cross-Cultural Differences in Social Media Disclosures of Mental Illness*. In Proc. CSCW 2017: 20th ACM Conference on Computer-Supported Cooperative Work and Social Computing. [34%]
Best Paper Award
- [C39] † **De Choudhury, M.**, Kumar, M.*, and Weber, I. (2017). *Computational Approaches Toward Integrating Quantified Self Sensing and Social Media*. In Proc. CSCW 2017: 20th ACM Conference on Computer-Supported Cooperative Work and Social Computing. [34%]
- [C40] † Fiesler, C.*, Dye, M.*, Feuston, J.*, Hiruncharoenvate, C.*, Hutto, C.*, Roshan, P., Pavalanathan, U.*, Bruckman, A., **De Choudhury, M.**, and Gilbert, E. (2017). *What (or Who) Is Public? Privacy Settings and Social Media Content Sharing*. In Proc. CSCW 2017: 20th ACM Conference on Computer-Supported Cooperative Work and Social Computing. [34%]
- [C41] † Tamersoy, A.*, Chau, D H., and **De Choudhury, M.** (2017). *Analysis of Smoking and Drinking Relapse in an Online Community*. In Proc. DH'17: 7th ACM Conference on Digital Health.
- [C42] † Ahsan, U.*, **De Choudhury, M.**, and Essa, I. (2017). *Towards Using Visual Attributes to Infer Image Sentiment Of Social Events*. In Proc. IJCNN'17: 2017 International Joint Conference on Neural Networks.
- [C43] † Sharma, E.*, Saha, K.*, Ernala, S. K.*, Ghoshal, S.*, and **De Choudhury, M.** (2017). *Analyzing Ideological Discourse on Social Media: A Case Study of the Abortion Debate*. In

Proc. CSSSA'17: Annual Computational Social Science Conference of the Computational Social Science Society of the Americas.

- [C44] † **De Choudhury, M.**, Jhaver, S.*, Sugar, B.*, Weber, I. (2016). *Social Media Participation in an Activist Movement for Racial Equality*. In Proc. ICWSM 2016: 10th International AAAI Conference on Weblogs and Social Media. [17%]
Best Paper Award
- [C45] † **De Choudhury, M.**, Kiciman, E., Dredze, M., Coppersmith, G., and Kumar, M.* (2016). *Discovering Shifts to Suicidal Ideation from Mental Health Content in Social Media*. In Proc. CHI 2016: 33rd Annual ACM Conference on Human Factors in Computing Systems. [23%]
Best Paper Honorable Mention
- [C46] † Chancellor, S.*, Mitra, T.*, and **De Choudhury, M.** (2016). *Recovery Amid Pro-Anorexia: Analysis of Recovery in Social Media*. In Proc. CHI 2016: 33rd Annual ACM Conference on Human Factors in Computing Systems. [23%]
- [C47] † Chancellor, S.*, Lin, Z.*, and **De Choudhury, M.** (2016). *“This Post Will Just Get Removed”: Characterizing Deviant Pro-Eating Disorder Social Media Content*. In Proc. CHI 2016: 33rd Annual ACM Conference on Human Factors in Computing Systems. [23%]
- [C48] † Andalibi, N.*, Haimson, O.*, **De Choudhury, M.**, and Forte, A. (2016). *Understanding Social Media Disclosures of Sexual Abuse Through the Lenses of Support Seeking and Anonymity*. In Proc. CHI 2016: 33rd Annual ACM Conference on Human Factors in Computing Systems. [23%]
- [C49] † Chancellor, S.*, Pater, J.*, Clear, T.*, Gilbert, E., and **De Choudhury, M.** (2016). *#thyghgapp: Instagram Content Moderation and Lexical Variation in Pro-Eating Disorder Communities*. In Proc. CSCW 2016: 19th ACM Conference on Computer-Supported Cooperative Work and Social Computing. [25%]
Best Paper Honorable Mention
- [C50] † Chancellor, S.*, Lin, Z.*, Goodman, E.*, Zerwas, S., and **De Choudhury, M.** (2016). *Quantifying and Predicting Mental Illness Severity in Online Pro-Eating Disorder Communities*. In Proc. CSCW 2016: 19th ACM Conference on Computer-Supported Cooperative Work and Social Computing. [25%]
Best Paper Honorable Mention
- [C51] † **De Choudhury, M.**, Sharma, S.*, and Kiciman, E. (2016). *Characterizing Dietary Choices, Nutrition, and Language in Food Deserts via Social Media*. In Proc. CSCW 2016: 19th ACM Conference on Computer-Supported Cooperative Work and Social Computing. [25%]
- [C52] † Garimella, K.*, Weber, I., and **De Choudhury, M.** (2016). *Quote RTs on Twitter: usage of the new feature for political discourse*. In Proc. WebSci 2016: 8th ACM Conference on Web Science.
- [C53] † Sachdeva, N.*, Kumaraguru, P., and **De Choudhury, M.** (2016). *Social Media for Safety: Characterizing Online Interactions between Citizens and Police*. In BritishHCI 2016: 2015 British Human Computer Interaction Conference.
- [C54] † Kumar, M.*, Dredze, M., Coppersmith, G., and **De Choudhury, M.** (2015). *Detecting Changes in Suicide Content Manifested in Social Media Following Celebrity Suicides*. In Proc. HT 2015: 26th ACM Conference on Hypertext and Social Media.
- [C55] † Tamersoy, A.*, **De Choudhury, M.**, and Chau, P. (2015). *Characterizing Smoking and Drinking Abstinence from Social Media*. In Proc. HT 2015: 26th ACM Conference on Hypertext and Social Media.
- [C56] † **De Choudhury, M.**, and Massimi, M. (2015). *“She Said Yes!” Liminality and Engagement Announcements on Twitter*. In Proc. iConference 2015. [36%]
Best Paper Award

- [C57] † Pavalanathan, U.*, and **De Choudhury, M.** (2015). *Identity Management and Mental health Discourse on Social Media*. In Proc. WWW'15 Companion: 24th International World Wide Web Conference. [13.8%]
- [C58] † **De Choudhury, M.** (2015). *Anorexia on Tumblr: A Characterization Study*. In Proc. DH'15: 5th ACM Digital Health Conference, in conjunction with WWW'15.
- [C59] **De Choudhury, M.**, Monroy-Hernandez, A., and Mark, G. (2014). “Narco” Emotions: *Affect and Desensitization in Social Media during the Mexican Drug War*. In Proc. CHI 2014: SIGCHI Conference on Human Factors in Computing Systems. [22.8%]
Best Paper Award
- [C60] **De Choudhury, M.**, Morris, M., and White, R (2014). *Seeking and Sharing Health Information Online: Comparing Search Engines and Social Media*. In Proc. CHI 2014: SIGCHI Conference on Human Factors in Computing Systems. [22.8%]
- [C61] **De Choudhury, M.**, Counts, S., Horvitz, E., and Hoff, A. (2014). *Characterizing and Predicting Postpartum Depression from Facebook Data*. In Proc. CSCW 2014: 17th ACM Conference on Computer Supported Cooperative Work and Social Computing.
- [C62] Zhang, H.*, **De Choudhury, M.**, and Grudin, J. (2014). *Creepy but Inevitable? The Evolution of Social Networking*. In Proc. CSCW 2014: 17th ACM Conference on Computer Supported Cooperative Work and Social Computing.
- [C63] **De Choudhury, M.**, and De, S. (2014). *Mental Health Discourse on Reddit: Self-disclosure, Social Support, and Anonymity*. In Proc. ICWSM 2014: 8th International AAAI Conference on Weblogs and Social Media. [23%, full papers]
- [C64] Kiciman, E., Counts, S., Gamon, M., **De Choudhury, M.**, and Thiesson, B. (2014). *Discussion Graphs: Putting Social Media Analysis in Context*. In Proc. ICWSM 2014: 8th International AAAI Conference on Weblogs and Social Media. [23%, full papers]
- [C65] **De Choudhury, M.** (2014). *You're #Happy, I'm #Happy: Diffusion of Mood Expressions on Twitter*. In Proc. HCI Korea: 2014 HCI Korea Conference.
- [C66] **De Choudhury, M.**, Gamon, M., Counts, S., and Horvitz, E. (2013). *Predicting Depression via Social Media*. In Proc. ICWSM 2013: International AAAI Conference on Weblogs and Social Media. [20%, full papers]
- [C67] **De Choudhury, M.**, Counts, S., and Horvitz, E. (2013). *Social Media as a Measurement Tool of Depression in Populations*. In Proc. WebSci 2013: 5th ACM International Conference on Web Science.
- [C68] **De Choudhury, M.**, Gamon, M., Hoff A., and Roseway, A. (2013). “Moon Phrases”: *A Social Media Facilitated Tool for Emotional Reflection and Wellness*. In Proc. Pervasive Health 2013: 7th International Conference on Pervasive Computing Technologies for Healthcare.
- [C69] **De Choudhury, M.**, Counts, S., and Horvitz, E. (2013). *Predicting Postpartum Changes in Emotion and Behavior via Social Media*. In Proc. CHI 2013: SIGCHI Conference on Human Factors in Computing Systems.
- [C70] **De Choudhury, M.**, Counts, S., and Horvitz, E. (2013). *Major Life Events and Behavioral Markers in Social Media: Case of Childbirth*. In Proc. CSCW 2013: 16th ACM Conference on Computer Supported Cooperative Work.
Best Paper Nomination
- [C71] **De Choudhury, M.**, and Counts, S. (2013). *Understanding Affect in the Workplace via Social Media*. In Proc. CSCW 2013: 16th ACM Conference on Computer Supported Cooperative Work.
- [C72] Monroy-Hernandez, A., boyd, d., Kiciman, E., **De Choudhury, M.**, Counts, S. (2013). *The New War Correspondents: The Rise of Civic Media Curation in Urban Warfare*. In Proc. CSCW 2013: 16th ACM Conference on Computer Supported Cooperative Work.

- [C73] **De Choudhury, M.**, Counts, S., and Gamon, M. (2012). *Not All Moods are Created Equal! Exploring Human Emotional States in Social Media*. In Proc. ICWSM 2012: International AAAI Conference on Weblogs and Social Media. [9%, oral presentation]
- [C74] Diakopoulos, N., **De Choudhury, M.**, and Naaman, M. (2012). *Finding and Assessing Social Media Information Sources in the Context of Journalism*. In Proc. CHI 2012: SIGCHI Conference on Human Factors in Computing Systems. [23%]
Best Paper Honorable Mention
- [C75] **De Choudhury, M.**, Diakopoulos, N., and Naaman, M. (2012). *Unfolding the Event Landscape on Twitter: Classification and Exploration of User Categories*. In Proc. CSCW 2012: ACM Conference on Computer Supported Cooperative Work.
- [C76] **De Choudhury, M.** (2011). *Tie Formation on Twitter: Homophily and Structure of Ego-centric Networks*. In Proc. SocialCom 2011: IEEE Int'l Conference on Social Computing. [10%]
- [C77] **De Choudhury, M.**, Counts, S., and Czerwinski, M. *Find Me the Right Content! Diversity-based Sampling of Social Media Content for Topic-centric Search*. In Proc. ICWSM 2011: Int'l AAAI Conference on Weblogs and Social Media. [23%]
- [C78] **De Choudhury, M.**, Counts, S., and Czerwinski, M. *Identifying Relevant Social Media Content: Leveraging Information Diversity and User Cognition*. In Proc. HT 2011: ACM Conference on Hypertext and Hypermedia. [21%, long papers]
- [C79] **De Choudhury, M.**, Lin, Y-R., Sundaram, H., Candan, K. S., Xie, L., Kelliher, A. (2010). *How Does the Data Sampling Strategy Impact the Discovery of Information Diffusion in Social Media?* In Proc. ICWSM 2010: Int'l AAAI Conference on Weblogs and Social Media. [19%]
- [C80] **De Choudhury, M.**, Mason, Winter A., Hofman, Jake M., Watts, Duncan J. (2010). *Inferring Relevant Social Networks from Interpersonal Communication*. In Proc. WWW 2010: international Conference on World Wide Web. [14%]
- [C81] **De Choudhury, M.**, Feldman M., Amer-Yahia, S., Golbandi, N., Lempel, R., Yu, C. (2010). *Automatic Construction of Travel Itineraries using Social Breadcrumbs*. In Proc. HT 2010: ACM Conference on Hypertext and Hypermedia. [20%, long papers]
- [C82] **De Choudhury, M.**, Sundaram, H., John, A., and Seligmann, D. D. (2009). *Social Synchrony: Predicting Mimicry of User Actions in Online Social Media*. In Proc. SocialCom 2009: International Conference on Social Computing. [9%]
- [C83] Lin, Y., Sundaram, H., **De Choudhury, M.**, and Kelliher, A. (2009). *Temporal patterns in social media streams: theme discovery and evolution using joint analysis of content and context*. In Proc. ICME 2009: IEEE international Conference on Multimedia and Expo. [22%]
- [C84] **De Choudhury, M.**, Sundaram, H., Lin, Y-R., John, A., and Seligmann, D. D. (2009). *Connecting Content to Community in Social Media via Image Content, User Tags and User Communication*. In Proc. ICME 2009: IEEE International Conference on Multimedia & Expo. [22%]
- [C85] **De Choudhury, M.**, Sundaram, H., John, A., and Seligmann, D. D. (2009). *What Makes Conversations Interesting? Themes, Participants and Consequences of Conversations in Online Social Media*. In Proc. WWW 2009: International World Wide Web Conference. [11%]
- [C86] **De Choudhury, M.**, Sundaram, H., John, A., and Seligmann, D. D. (2008). *Can Blog Communication Dynamics be correlated with Stock Market Activity?* In Proc. HT 2009: ACM Conference on Hypertext and Hypermedia. [25%]
- [C87] **De Choudhury, M.**, Sundaram, H., John, A., and Seligmann, D. D. (2008). *Dynamic Prediction of Communication Flow Using Social Context*. In Proc. HT 2009: ACM Conference on Hypertext and Hypermedia. [25%]

- [C88] **De Choudhury, M.**, Sundaram, H., John, A., and Seligmann, D. D. (2007). *Contextual Prediction of Communication Flow in Social Networks*. In Proc. WI 2007: IEEE/WIC/ACM international Conference on Web intelligence. [17%]

Refereed Journal Articles

- [J1] † Pendse, S. R., Kumar, N., and **De Choudhury, M.** (2023). *Marginalization and the Construction of Mental Illness Narratives Online: Foregrounding Institutions in Technology-Mediated Care*. In Proceedings of the ACM on Human-Computer Interaction, CSCW. PACM-HCI 2023.
- [J2] † Yoo, D. W., Bhatnagar, A., Ernala, S., Ali, A., Birnbaum, M., Abowd, G., and **De Choudhury, M.** (2023). *Discussing Social Media During Psychotherapy Consultations: Patient Narratives and Privacy Implications*. In Proceedings of the ACM on Human-Computer Interaction, CSCW. PACM-HCI 2023.
- [J3] † Kim, M., Saha, K., **De Choudhury, M.** and Choi, D. (2023). *Supporters First: Understanding Online Social Support from a Supporter Perspective*. In Proceedings of the ACM on Human-Computer Interaction, CSCW. PACM-HCI 2023.
- [J4] † Razi, A., Kim, S., Alsoubai, A., Ali, S., Stringhini, S., **De Choudhury, M.** and Wisniewski, P. J. (2023). *Sliding into My DMs: Detecting Uncomfortable or Unsafe Sexual Risk Experiences within Instagram Direct Messages Grounded in the Perspective of Youth*. In Proceedings of the ACM on Human-Computer Interaction, CSCW. PACM-HCI 2023.
- [J5] † Ali, S., Razi, A., Kim, S., Alsoubai, A., Ling, C., **De Choudhury, M.**, Wisniewski, P. J., and Stringhini, G. (2023). *Getting Meta: A Multimodal Approach for Detecting Unsafe Conversations within Instagram Direct Messages of Youth*. In Proceedings of the ACM on Human-Computer Interaction, CSCW. PACM-HCI 2023.
- [J6] † Ehsan, U.*, Saha, K., **De Choudhury, M.**, and Riedl, M. O. (2023). *Charting the Sociotechnical Gap in Explainable AI: A Framework to Address the Gap in XAI*. In Proceedings of the ACM on Human-Computer Interaction, CSCW. PACM-HCI 2023.
- [J7] † Kasson, E., Filiatreau, L.M., Kaiser, N., Davet, K., Taylor, J., Garg, S., El Sherief, M., Aledavood, T., **De Choudhury, M.** and Cavazos-Rehg, P., 2023. *Using Social Media to Examine Themes Surrounding Fentanyl Misuse and Risk Indicators*. Substance Use & Misuse, pp.1-10.
- [J8] † Cascalheira, C.J., Flinn, R.E., Zhao, Y., Klooster, D., Laprade, D., Hamdi, S.M., Scheer, J.R., Gonzalez, A., Lund, E.M., Gomez, I.N., Saha, K., and **De Choudhury, M.** (2023). *Models of Gender Dysphoria Using Social Media Data for Use in Technology-Delivered Interventions: Machine Learning and Natural Language Processing Validation Study*. JMIR Formative Research, 7(1), p.e47256.
- [J9] † Das Swain, V., Kwon, H., Sargolzaei, S., Saket, B., Bin Morshed, M., Tran, K., Patel, D., Tian, Y., Philipose, J., Cui, Y., Ploetz, T., **De Choudhury, M.**, and Abowd, G. (2023). *Leveraging WiFi network logs to infer student collocation and its relationship with academic performance*. EPJ Data Science, 12(1), pp.1-25.
- [J10] † Das Swain, V., Xie, J., Madan, M., Sargolzaei, S., Cai, J., **De Choudhury, M.**, Abowd, G. D., Steimle, L. N., Prakash, B. A. (2023). *Empirical networks for localized COVID-19 interventions using WiFi infrastructure at university campuses*. Frontiers in Digital Health, 5, p.1060828.
- [J11] † Maldeniya, D., **De Choudhury, M.**, Garcia, D., and Romero, D. (2023). *Pulling Through Together: Social Media Trajectories of Recovery in Disaster Stricken Communities*. Journal of Computational Social Science, 1–52.
- [J12] † O’Hanlon, R., Altice, F.L., Lee, R.K.W., LaViolette, J., Mark, G., Papakyriakopoulos, O., Saha, K., **De Choudhury, M.** and Kumar, N. (2023). *Misogynistic extremism: a scoping review*. Trauma, Violence, & Abuse, p.15248380231176062.

- [J13] † Rochford, B., Pendse, S., Kumar, N., and **De Choudhury, M.** (2023). Leveraging Symptom Search Data to Understand Disparities in US Mental Health Care: Demographic Analysis of Search Engine Trace Data. *JMIR Mental Health*, 10, e43253. [**Impact Factor 6.3**]
- [J14] † Koutsouleris, N.*, Hauser, T. U., Skvortsova, V., and **De Choudhury, M.*** (2022). *From promise to practice: towards the realisation of AI-informed mental health care*. *The Lancet Digital Health*. * Authors contributed equally [**Impact Factor 36.6**]
- [J15] † Saha, K.*, Yousuf, A.*, Boyd, R.L., Pennebaker, J.W. and **De Choudhury, M.** (2022). *Social media discussions predict mental health consultations on college campuses*. In *Nature Scientific Reports*. [**Impact Factor 4.37**]
- [J16] † Nguyen, V. C., Lu, N., Kane, J. M., Birnbaum, M. L., and **De Choudhury, M.** (2022). *Cross-Platform Detection of Psychiatric Hospitalization via Social Media Data: Comparison Study*. *JMIR Mental Health*, 9(12), e39747. [**Impact Factor 6.3**]
- [J17] † Hauser, T. U., Skvortsova, V., **De Choudhury, M.**, and Koutsouleris, N. (2022). *The promise of a model-based psychiatry: building computational models of mental ill health*. *The Lancet Digital Health*. **Impact Factor 36.6**
- [J18] † Verma, G.*, Bhardwaj, A.*, Aledavood, T., **De Choudhury, M.**, and Kumar, S. (2022). *Examining the impact of sharing COVID-19 misinformation online on mental health*. *Scientific Reports*, 12(1), 1-9. [**Impact Factor 4.37**]
- [J19] † Alsoubai, A.*, Song, J.*, Razi, A.*, Naher, N.*, **De Choudhury, M.**, and Wisniewski, P. J. (2022). *From 'Friends with Benefits' to 'Sextortion': A Nuanced Investigation of Adolescents' Online Sexual Risk Experiences*. *Proceedings of the ACM on Human-Computer Interaction*, 6(CSCW2), 1-32.
- [J20] † Appling, S.*, Bruckman, A., and **De Choudhury, M.** (2022). *Reactions to Fact Checking*. *Proceedings of the ACM on Human-Computer Interaction*, 6(CSCW2), 1-17.
- [J21] † Tay, L., Thapa, S.*, Newman, D.B. and **De Choudhury, M.** (2022). *Using Social Media to Assess Expressions of Gratitude to God: Issues for Consideration*. *Religions*, 13(9), p.778.
- [J22] † Kumar, N., Corpus, I., Hans, M., Harle, N., Yang, N., McDonald, C., Nakamura Sakai, S., Janmohamed, K., Chen, K., Altice, F., Tang, W., Schwartz, J., Jones-Jang, S., Saha, K., Ali Memon, S., Bauch, C., **De Choudhury, M.**, Papakyriakopoulos, O., Tucker, J., Goyal, A., Tyagi, A., Khoshnood, K., and Omer, S. (2022). *COVID-19 vaccine perceptions in the initial phases of US vaccine roll-out: an observational study on reddit*. *BMC Public Health*, 22(1), 1-14.
- [J23] † Kruzan, K. P., Williams, K. D., Meyerhoff, J., Yoo, D. W.*, O'Dwyer, L. C., **De Choudhury, M.**, and Mohr, D. C. (2022). *Social media-based interventions for adolescent and young adult mental health: A scoping review*. *Internet interventions*, 100578.
- [J24] † Morshed, M.B.*, Kulkarni, S.S.*, Saha, K.*, Li, R.*, Roper, L.G., Nachman, L., Lu, H., Mirabella, L., Srivastava, S., de Barbaro, K. and **De Choudhury, M.** (2022). *Food, Mood, Context: Examining College Students' Eating Context and Mental Well-Being*. *ACM Transactions on Computing for Healthcare*.
- [J25] † Ernala, S.*, Seybolt, J.*, Yoo, D. W.*, Birnbaum, M., Kane, J. M., and **De Choudhury, M.** (2022). *The Reintegration Journey Following A Psychiatric Hospitalization: Examining the Role of Social Technologies*. In *Proceedings of the ACM on Human-Computer Interaction*, CSCW. PACM-HCI 2022.
- [J26] † Zhou, J.*, Saha, K.*, Lopez Carron, I., Yoo, D. W.*, Deeter, C., **De Choudhury, M.**, and Arriaga, R. (2022). *Veteran Critical Theory as a Lens to Understand Veterans' Needs and Support on Social Media*. In *Proceedings of the ACM on Human-Computer Interaction*, CSCW. PACM-HCI 2022.

- [J27] † Janmohamed K, Walter N, Nyhan K, Khoshnood K, Tucker J, Sangngam N, Altice F, Ding Q, Wong A, Schwitzky Z, Bauch CT, **De Choudhury M**, Papakyriakopoulos O, Kumar N. (2022). *Interventions to Mitigate COVID-19 Misinformation: A Systematic Review and Meta-analysis*. Journal of Health Comm. [**Impact Factor 1.64**]
- [J28] † McCarthy, K. S., Crossley, S. A., Meyers, K., Boser, U., Allen, L. K., Chaudhri, V. K., Collins-Thompson, K., D’Mello, S., **De Choudhury, M.**, Garg, K., Goel, A., Gosha, K., Heffernan, N., Hooper, M. A., Hyman, E., Jarratt, D. C., Khalil, D., Kizilcec, R. F., Litman, D., Malatinszky, A., Marks, K., McNamara, D. S., Menko, R., Palermo, C., Porcaro, D., Roscoe, R., Shapiro, S., Khanh-Phoung, T., Trumbore, A. M., White, C., Wong, W., Yang, D., and Zampieri, M. (2021). *Toward more effective and equitable learning: Identifying barriers and solutions for the future of online education*. In Technology, Mind, and Behavior. [**Impact Factor 3.08**]
- [J29] † ElSherief, M., Saha, K.*, Gupta, P.*, Mishra, S.*, Seybolt, J.*, Xie, J.*, O’Toole, M., Burd-Sharps, S. and **De Choudhury, M.** (2021). *Impacts of school shooter drills on the psychological well-being of American K-12 school communities: a social media study*. In Nature Humanities and Social Sciences Communications, 8(1).
- [J30] † ElSherief, M., Sumner, S.A., Jones, C.M., Law, R.K., Kacha-Ochana, A., Shieber, L., Cordier, L., Holton, K. and **De Choudhury, M.** (2021). *Characterizing and Identifying the Prevalence of Web-Based Misinformation Relating to Medication for Opioid Use Disorder: Machine Learning Approach*. Journal of medical Internet research, 23(12). JMIR. [**Impact Factor 5.4**]
- [J31] † Chancellor, S., Sumner, S. A., David-Ferdon, C., Ahmad, T., and **De Choudhury, M.** (2021). *Suicide Risk and Protective Factors in Online Support Forum Posts: Methods for Valid and Reliable Annotation*. In Journal of Medical Internet Research - Mental Health. JMIR MH. [**Impact Factor 4.39**]
- [J32] † Garg, S.*†, Taylor, J.*†, ElSherief, M., Kasson, E., Aledavood, T., Riordan, R., Kaiser, N., Cavazos-Rehg, P., and **De Choudhury, M.** (2021). *Detecting risk level in individuals misusing fentanyl utilizing posts from an online community on Reddit*. In Internet Interventions. † Co-first authors [**Impact Factor 3.54**]
- [J33] † Hansel, K., Lin, I. W., Sobolev, M., Muscat, W., Yum-Chan, S., **De Choudhury, M.**, Kane, J. M., and Birnbaum, M. (2021). *Utilizing Instagram Data to Identify Usage Patterns Associated With Schizophrenia Spectrum Disorders*. In Frontiers in Psychiatry, p. 1400. [**Impact Factor 4.1**]
- [J34] † Martinez, G.*, Mattingly, S., Robles-Granda, P., Saha, K.*, Sirigiri, A., Young, J., Chawla, N., **De Choudhury, M.**, D’Mello, S., Mark, G., and Striegel, A. (2021). *Predicting Participant Compliance with Fitness Tracker Wearing and EMA Protocols in Information Workers: An Observational study*. In Journal of Medical Internet Research - mHealth and uHealth. JMU. [**Impact Factor 4.77**]
- [J35] † Kim, S.*, Razi, A.*, Stringhini, G., Wisniewski, P., and **De Choudhury, M.** (2021). *A Human-Centered Systematic Literature Review of Cyberbullying Detection Algorithms*. In Proceedings of the ACM on Human-Computer Interaction, 5, CSCW(2), Article 325 (October 2021), 34 pages.
- [J36] † Razi, A.*, Kim, S.*, Alsoubai, A.*, Stringhini, G., Solorio, T., **De Choudhury, M.**, and Wisniewski, P. (2021). *A Human-Centered Systematic Literature Review of the Computational Approaches for Online Sexual Risk Detection*. In Proceedings of ACM Human Computer Interaction 5, CSCW(2), Article 465 (October 2021), 38 pages.
- [J37] † Saha, K.†*, Grover, T.†*, Mattingly, S., Das Swain, V.*, Gupta, P.*, Martinez, G.*, Robles-Granda, P., Mark, G., Striegel, A., and **De Choudhury, M.** (2021). *Person-Centered Predictions of Psychological Constructs with Social Media Contextualized by Multimodal Sensing*. In Proceedings of the ACM on Interactive, Mobile, Wearable and Ubiquitous Technologies, PACM IMWUT. † Co-first authors

- [J38] † Yoo, D. W.*, Ernala, S.*, Saket, B.*, Weir, D.*, Arenare, E., Ali, A., Van Meter, A., Birnbaum, M., L., Abowd, G., and **De Choudhury, M.** (2021). *Clinician Perspectives on Utilizing Computational Mental Health Insights from Patient Social Media: Design and Qualitative Evaluation of a Prototype*. In Journal of Medical Internet Research - Mental Health, to appear. JMIR MH. [**Impact Factor 4.39**]
- [J39] † Ernala, S.*, Kashiparekh, K.*, Bolous, A.*, Ali, A., Kane, J., Birnbaum, M., and **De Choudhury, M.** (2021). *A Social Media Study on Mental Health Status Transitions Surrounding Psychiatric Hospitalizations*. In Proceedings of the ACM on Human-Computer Interaction, CSCW. PACM-HCI 2021.
- [J40] † Saha, K.*, Yousuf, A.*, Hickman, L.*, Gupta, P.*, Tay, L., and **De Choudhury, M.** (2021). *A Social Media Study on Demographic Differences in Perceived Job Satisfaction*. In Proceedings of the ACM on Human-Computer Interaction, CSCW. PACM-HCI 2021.
- [J41] † Saha, K.*, Torous, J., Kiciman, E., and **De Choudhury, M.** (2021). *Understanding Side Effects of Antidepressants: Large-scale Longitudinal Study on Social Media Data*. In the Journal of Medical Internet Research - Mental Health. JMIR MH. [**Impact Factor 4.39**]
- [J42] † Taylor, L.*, Belan, K.*, **De Choudhury, M.**, and Baumer, EPS (2021). *Misfires, Missed Data, Misaligned Treatment: Disconnects in Collaborative Treatment of Eating Disorders*. In Proceedings of the ACM on Human-Computer Interaction, CSCW. PACM-HCI 2021.
- [J43] † Vornholt, P.*, and **De Choudhury, M.** (2021). *Understanding the Role of Social Media-Based Mental Health Support among College Students: Survey and Semi-Structured Interviews*. In the Journal of Medical Internet Research - Mental Health. JMIR MH. [**Impact Factor 4.39**]
- [J44] † Lee, E.E., Torous, J., **De Choudhury, M.**, Depp, C.A., Graham, S.A., Kim, H.C., Paulus, M.P., Krystal, J.H. and Jeste, D.V. (2021). *Artificial Intelligence for Mental Healthcare: Clinical Applications, Barriers, Facilitators, and Artificial Wisdom*. In Biological Psychiatry: Cognitive Neuroscience and Neuroimaging. [**Impact Factor 6.2**]
- [J45] † Robles-Granda, P., Lin, S.*, Wu, X., Martinez, G. J.*, Mattingly, S. M., Moskal, E., Striegel, A., Chawla, N., D’Mello, S., Gregg, J., Nies, K., Mark, G., Grover, T.*, Campbell, A., Mirjafari, S.*, Saha., K.*, **De Choudhury, M.**, and Dey, A. K. (2021). *Jointly predicting job performance, personality, cognitive ability, affect, and well-being*. IEEE Computational Intelligence Magazine, 16(2), 46-61. [**Impact Factor 11.3**]
- [J46] † Resnik, P., **De Choudhury, M.**, Schafer, K. M., and Coppersmith, G. (2021). *Bibliometric Studies and the Discipline of Social Media Mental Health Research*. Comment on “Machine Learning for Mental Health in Social Media: Bibliometric Study”. Journal of Medical Internet Research, 23(6), e28990.
- [J47] † Inkster, B. and Digital Mental Health Data Insights Group (DMHDIG)* (2021). *Early warning signs of a mental health tsunami: A coordinated response to gather initial data insights from multiple digital services providers*. In Frontiers in Digital Health, 2, p.64. * **De Choudhury, M.** is a member of DMHDIG
- [J48] † Choi, D., Sumner, S., Holland, K., Draper, J., Murphy, S., Bowen, D., Zwald, M., Wang, J., Law, R., Taylor, J.*, Konjeti, C.*, and **De Choudhury, M.** (2020). *Development of a Machine Learning Model Using Multiple, Heterogenous Data Sources to Estimate Weekly Suicide Fatalities in the United States*. Accepted to appear in JAMA Network Open. [**Impact Factor 5**]
- [J49] † Saha, K.*, Torous, J. T., Caine, E. D., and **De Choudhury, M.** (2020). *Social Media Reveals Psychosocial Effects of the COVID-19 Pandemic: A Large-scale Quasi-Experimental Study*. In the Journal of Medical Internet Research. [**Impact Factor 5**]
- [J50] † Yoo, D. W.*, Birnbaum, M., Van Meter, A., Ali, A., Arenare, E., Abowd, G., and **De Choudhury, M.** (2020). *Designing a Clinician-facing Tool for Utilizing Insights from*

- Patients' Social Media Activity: An Iterative Co-Design Approach.* In the Journal of Medical Internet Research - Mental Health. [**Impact Factor 4.39**]
- [J51] † Morshed, M. B.*, Kulkarni, S. S., Li, R., Saha, K.*, Roper, L. G., Nachman, L., Lu, H., Mirabella, L., Srivastava, S., **De Choudhury, M.**, de Barbaro, K., Ploetz, T., and Abowd, G. (2020). *A Real-Time Eating Detection System for Capturing Eating Moments and Triggering Ecological Momentary Assessments to Obtain Further Context: System Development and Validation Study.* JMIR mHealth and uHealth, 8(12), e20625. [**Impact Factor 4.77**]
- [J52] † Birnbaum, M.L., Wen, H.*, Van Meter, A., Ernala, S.K.*, Rizvi, A.F., Arenare, E., Estrin, D., **De Choudhury, M.** and Kane, J.M. (2020). *Identifying emerging mental illness utilizing search engine activity: A feasibility study.* In PLOS ONE, 15(10), p.e0240820. [**Impact Factor 2.7**]
- [J53] † Birnbaum M.★, Kulkarni P.★, Van Meter A., Chen V.*, Rizvi, A., Arenare E., **De Choudhury M.**, and Kane J. (2020). *Utilizing Machine Learning on Internet Search Activity to Support the Diagnostic Process and Relapse Detection in Young Individuals with Early Psychosis: Feasibility Study.* In the Journal of Medical Internet Research - Mental Health. ★ Co-first authors [**Impact Factor 4.39**]
- [J54] † Chancellor, S., and De Choudhury, M. *Methods in Predictive Techniques for Mental Health Status on Social Media: A Critical Review.* Nature Partner Journal - Digital Medicine. [**Impact Factor 11.6**]
- [J55] † Alvarado Garcia, A.*, Britton, M. J.*, Doshi, D. M.*, **De Choudhury, M.**, and Le Dantec, C. A. (2020). *Data Migrations: Exploring the Use of Social Media Data as Evidence for Human Rights Advocacy.* In Proceedings of the ACM on Human-Computer Interaction.
- [J56] † Badillo-Urquiola, K.*, Chouhan, C.*, Chancellor, S.*, **De Choudhury, M.** and Wisniewski, P. (2020). *Beyond Parental Control: Designing Adolescent Online Safety Apps Using Value Sensitive Design.* In the Journal of Adolescent Research - Special Issue on Adolescent Development in an Age of Social Media. [**Impact Factor 3.9**]
- [J57] † Birnbaum, M. L.★, Ernala, S. K.*★, Rizvi, A., Arenare, E., Van Meter, A., **De Choudhury, M.**** and Kane, J. M.** (2019). *Detecting Relapse in Youth with Psychotic Disorders Utilizing Patient-Generated and Patient-Contributed Digital Data from Facebook.* In Nature Partner Journals - Schizophrenia. NPJ Schizophrenia. ★ Co-first authors; ** Co-supervising authors [**Impact Factor 5.2**]
- [J58] † Saha, K.*, Reddy, M. D.*, Mattingly, S., M., Moskal, E., Sigiri, A., and **De Choudhury, M.** (2019). *LibRA: On LinkedIn based Role Ambiguity and Its Relationship with Wellbeing and Job Performance.* In Proceedings of the ACM – Human Computer Interaction. [31%]
- [J59] † Chancellor, S.*, Baumer, E. P. S., and **De Choudhury, M.** (2019). *Who is the “Human” in Human-Centered Machine Learning: The Case of Predicting Mental Health from Social Media.* In Proceedings of the ACM – Human Computer Interaction.
- [J60] † Saha, K.*, Kim, S. C.*, Reddy, M. D.*, Carter, A. J.*, Sharma, E.*, Haimson, O. L., and **De Choudhury, M.** (2019). *The Language of LGBTQ+ Minority Stress Experiences on Social Media.* In Proceedings of the ACM – Human Computer Interaction.
- [J61] † Das Swain, V.*, Reddy, M. D.*, Nies, K. A., Tay, L., **De Choudhury, M.**, and Abowd, G. D. (2019). *Birds of a Feather Clock Together: A Study of Person-Organization Fit Through Latent Activity Routines.* In Proceedings of the ACM – Human Computer Interaction.
- [J62] † Mirjafari, S.*, Masaba, K.*, Grover, T.*, Wang, W.*, Audia, P., Campbell, A. T., Chawla, N. V., Das Swain, V.*, **De Choudhury, M.**, Dey, A. K., D’Mello, S.K., Gao G., Gregg, J.M., Jagannath, K.*, Jiang, K., Lin, S.*, Liu, Q., Mark, G., Martinez, G.*, Mattingly, S.M., Moskal, E., Mulukutla, R.*, Nepal, S.*, Nies, K.A., Reddy, M. D.*, Robles-Granda, P., Saha, K.*, Sirigiri, A., Striegel, A. (2019). *Differentiating High and Low Job Performers in the Workplace using Mobile Sensing.* In Proceedings of the ACM on Interactive, Mobile, Wearable and Ubiquitous Technologies (IMWUT).

- [J63] † Bin Morshed, M.*, Saha, K.*, Li, R., D’Mello, S. K., **De Choudhury, M.**, Abowd, G. D., and Ploetz, T. (2019). *Prediction of Mood Instability using Passive Sensing*. In Proceedings of the ACM on Interactive, Mobile, Wearable and Ubiquitous Technologies (IMWUT).
- [J64] † Mirjafari, S.*, Masaba, K.*, Grover, T.*, Wang, W.*, Audia, P., Campbell, A. T., Chawla, N. V., Das Swain, V.*, **De Choudhury, M.**, Dey, A. K., D’Mello, S.K., Gao G., Gregg, J.M., Jagannath, K.*, Jiang, K., Lin, S.*, Liu, Q., Mark, G., Martinez, G.*, Mattingly, S.M., Moskal, E., Mulukutla, R., Nepal, S.*, Nies, K.A., Reddy, M. D.*, Robles-Granda, P., Saha, K.*, Sirigiri, A., Striegel, A. (2019). *Differentiating High and Low Job Performers in the Workplace using Mobile Sensing*. Accepted to appear in Proceedings of the ACM on Interactive, Mobile, Wearable and Ubiquitous Technologies (IMWUT).
- [J65] † Saha, K.*[‡], Torous. J.[‡], Ernala, S.*, Rizzuto. C.*, and **De Choudhury, M.** (2019). *A Computational Study of Mental Health Awareness Campaigns on Social Media*. In the Journal of Translational Behavioral Medicine, March 2019. [‡]: Co-first authors [**Impact Factor 2.5**]
- [J66] † Andalibi, N., Haimson, O., **De Choudhury, M.**, and Forte, A. (2018). *Social Support, Reciprocity, and Anonymity in Responses to Sexual Abuse Disclosures on Social Media*. ACM Transactions on Computer-Human Interaction. ACM TOCHI. [**Impact Factor 3.1**]
- [J67] † Baumel, A., Baker, J., Birnbaum, M. L., Christensen, H., **De Choudhury, M.**, Mohr, D. C., Muench, F., Schlosser, D., Titov, N., and Kane, J. M. (in press). *Summary of Key Issues Raised in the Technology for Early Awareness of Addiction and Mental Illness (TEAAM-I) Meeting*. In Psychiatric Services. [**Impact Factor 2.9**]
- [J68] † Ernala, S. K.*, Rizvi, A., Birnbaum, M., Kane, J., and **De Choudhury, M.** (2018). *Linguistic Markers Indicating Therapeutic Outcomes of Social Media Disclosures of Schizophrenia*. In Proceedings of the ACM – Human Computer Interaction. Presented at CSCW 2018. [**27%**]
- [J69] † Saha, K.*, and **De Choudhury, M.** (2018). *Modeling Stress with Social Media Around Incidents of Gun Violence on College Campuses*. In Proceedings of the ACM – Human Computer Interaction. Presented at CSCW 2018. [**27%**]
- [J70] † Saha, K.*, Chan, L.*, de Barbaro, K., Abowd, G., and **De Choudhury, M.** (2017). *Inferring Mood Instability on Social Media by Leveraging Ecological Momentary Assessments*. In Proceedings of the ACM on Interactive, Mobile, Wearable and Ubiquitous Technologies. Presented at UbiComp 2017. [**8%**]
- [J71] † Birnbaum, M., Ernala, S. K.*, Rizvi, A., **De Choudhury, M.** and Kane, J. (2017). *A Collaborative Approach to Identifying Social Media Markers of Schizophrenia by Employing Machine Learning and Clinical Appraisals*. In Journal of Medical Internet Research. [**Impact Factor 5.1**]
- [J72] † Saha, K.*, Weber, I., Birnbaum, M., and **De Choudhury, M.** (2017). *Characterizing Awareness of Schizophrenia among Facebook Users By Leveraging Facebook Advertisement Estimates*. In Journal of Medical Internet Research. [**Impact Factor 5.1**]
- [J73] † Haimson, O.*, Andalibi, N.*, **De Choudhury, M.**, and Hayes, G. (2017). *Relationship Breakup Disclosures and Media Ideologies on Facebook*. In the Journal of New Media & Society. [**Impact Factor 3.1**]
- [J74] † Walker, M.*, Thornton, L., **De Choudhury, M.**, Teevan, J., Bulik, C., Levinson, C., and Zerwas, S. (2015). *Facebook Use and Disordered Eating in College-Aged Women*. In Journal of Adolescent Health. [**Impact Factor 3.6**]
- [J75] Sundaram, H., Xie, L., **De Choudhury, M.**, Lin, Y-R., Natsev, A. (2013). *Multimedia Semantics: Interactions between Content and Community*. In the Proceedings of the IEEE (IIEEP), special issue on “Web-Scale Multimedia Processing and Applications”. [**Impact Factor 9.2**]

- [J76] Lin, Y.-R., Sundaram, H., **De Choudhury, M.** and Kelliher, A. (2012). *Discovery of Multi-relational Structures in Social Media Streams*. In the ACM Trans. on Multimedia Computing, Communications and Applications (TOMM). [**Impact Factor 2.2**]
- [J77] Sundaram, H., Lin, Y.-R., **De Choudhury, M.**, Kelliher, A. (2012). *Understanding Community Dynamics in Online Social Networks: A multidisciplinary review*. In the IEEE Signal Processing Magazine, Special Issue on Signal and Information Processing for Social Learning and Networking. [**Impact Factor 4.3**]
- [J78] **De Choudhury, M.**, Sundaram, H., John, A., and Seligmann, D. D. (2010). *Extraction, Characterization and Utility of Prototypical Communication Groups in the Blogosphere*. In the ACM Trans. On Information Systems (TOIS). [**Impact Factor 1.1**]

Book Chapters/Magazine Articles

- [BC1] † Saha, K. and **De Choudhury, M.** (2023). *Examining Well-Being in Situated Contexts with Computational Modeling of Social Media Data*. Mobile Sensing in Psychology: Methods and Applications, 215.
- [BC2] † **De Choudhury, M.** (2023). *Toward Improved Workplace Measurements with Passive Sensing Technologies: Opportunities and Challenges*. Handbook of Technology and Measurement Around the Globe.
- [BC3] † **De Choudhury, M.**, Lee, M. K., Zhu, H., and Shamma, D. A. (2020). *Introduction to this special issue on unifying human computer interaction and artificial intelligence*. Human-Computer Interaction, 1-7.
- [BC4] † **De Choudhury, M.** and Kiciman, E. (2018). *Integrating Artificial and Human Intelligence in Complex, Sensitive Problem Domains: Experiences from Mental Health*. AI Magazine, 39(3), 69-80.
- [BC5] † **De Choudhury, M.** (in press). *Revolutionizing Mental Health with Social Media*. In Edited Volume “Communication Science in the Digital Age: New Frontiers in the Theory and Research of Interpersonal Networks”, Oxford University Press.
- [BC6] † **De Choudhury, M.** (2014). *Opportunities of Social Media in Health and Well-being*. In XRDS: Crossroads, The ACM Magazine for Students - Health Informatics, Volume 21 Issue 2, Winter 2014.
- [BC7] Monroy-Hernandez, A., Farnham, S., Kiciman, E., Counts, S., and **De Choudhury, M.** (2013). *Smart Societies: From Citizens as Sensors to Collective Action*. ACM Interactions Magazine, 20(4), 16-19.
- [BC8] **De Choudhury, M.** (2012). *Understanding our Online Communication Processes*. In SIGWEB Newsl. Winter, Article 3 (January 2012), 4 pages.
- [BC9] **De Choudhury, M.** (2011). *Information Quality and Relevance in Large-Scale Social Information Systems*. In Handbook of Data Intensive Computing, 2011, Springer.
- [BC10] **De Choudhury, M.**, Sundaram, H., John, A., and Seligmann, D. D. (2010). *Analyzing the Dynamics of Communication in Online Social Networks*. In Handbook of Social Networks Technologies and Applications, 2010, Springer.

Refereed Posters and Extended Abstracts

- [EA1] † Razi, A.*, AlSoubai, A.*, Kim, S.*, Naher, N.*, Ali, S.*, Stringhini, G., **De Choudhury, M.** and Wisniewski, P.J. (2022). *Instagram Data Donation: A Case Study on Collecting Ecologically Valid Social Media Data for the Purpose of Adolescent Online Risk Detection*. In Proc CHI 2022 Extended Abstracts: 39th CHI Conference on Human Factors in Computing Systems Extended Abstracts.
- [EA2] † Alsoubai, A.*, Caddle, X. V.*, Doherty, R., Koehler, A. T., Sanchez, E., **De Choudhury, M.**, and Wisniewski, P. J. (2022). *MOSafely, Is that Sus? A Youth-Centric Online Risk*

- Assessment Dashboard*. In Companion Publication of the 2022 Conference on Computer Supported Cooperative Work and Social Computing (pp. 197-200).
- [EA3] † Dev, P., Medina, J., Agha, Z., **De Choudhury, M.**, Razi, A., and Wisniewski, P. J. (2022). *From Ignoring Strangers' Solicitations to Mutual Sexting with Friends: Understanding Youth's Online Sexual Risks in Instagram Private Conversations*. In Companion Publication of the 2022 Conference on Computer Supported Cooperative Work and Social Computing (pp. 94-97).
- [EA4] † Cascalheira, C. J.*, Hamdi, S. M., Scheer, J. R., Saha, K., Boubrahimi, S. F., and **De Choudhury, M.** (2022). *Classifying Minority Stress Disclosure on Social Media with Bidirectional Long Short-Term Memory*. In Proceedings of the International AAAI Conference on Web and Social Media (Vol. 16, pp. 1373-1377).
- [EA5] † O'Toole, M.J., Burd-Sharps, S., **De Choudhury, M.**, ElSherif, M., Saha, K., Gupta, P., Mishra, S. and Xie, J. (2020). *Assessing the Impacts of Active Shooter Drills in Schools with Big Data*. In 2020 APPAM Fall Research Conference. APPAM.
- [EA6] † Mattingly, S., Gregg, J., Audia, P., Bayraktaraglu, A. E.*, Campbell, A., Chawla, N., Das Swain, V.*, **De Choudhury, M.**, D'Mello, S., Dey, A., Gao, G., Jagannath, K.*, Jiang, K., Lin, S.*, Liu, Q., Mark, G., Martinez, G.*, Masaba, K.*, Mirjafari, S.*, Moskal, E., Mulukutla, R., Nies, K., Reddy, M.*, Robles-Granda, P., Saha, K.*, Sirigiri, A., and Striegel, A. (2019). *The Tesserae Project: Experiences with Large-Scale, Longitudinal, In Situ, Multimodal Sensing of Information Workers*. In Proc CHI 2019 Extended Abstracts: 36th CHI Conference on Human Factors in Computing Systems Extended Abstracts.
- [EA7] † Saha, K.*, Bayraktaraglu, A. E.*, Campbell, A., Chawla, N., **De Choudhury, M.**, D'Mello, S., Dey, A., Gao, G., Gregg, J., Jagannath, K.*, Mark, G., Martinez, G.*, Mattingly, S., Moskal, E., Sirigiri, A., Striegel, A., Yoo, D. W.* (2019). *Social Media as a Passive Sensor in Longitudinal Studies of Human Behavior and Wellbeing*. In Proc CHI 2019 Extended Abstracts: 36th CHI Conference on Human Factors in Computing Systems Extended Abstracts.
- [EA8] † Hu, A.*, Chancellor, S.*, and **De Choudhury, M.** (2019). *Characterizing Homelessness Disclosure on Social Media*. In Proc. CHI Late Breaking Work 2019: 2019 CHI Conference on Human Factors in Computing Systems Extended Abstracts.
- [EA9] † Birnbaum, M., Rizvi, A., **De Choudhury, M.**, Ernala, S.*, Cecchi, G., and Kane, J. (2018). *Identifying Psychotic Symptoms and Predicting Relapse Through Social Media*. Schizophrenia Bulletin, 44(Suppl 1), S100.
- [EA10] † Hickman, L.*, Saha, K.*, **De Choudhury, M.**, and Tay, L. (2018). *Automated Tracking of Components of Job Satisfaction via Text Mining of Twitter Data*. In Machine Learning Symposium, colocated with the Annual Meeting of the Society for Industrial and Organizational Psychology (SIOP 2019).
- [EA11] † Dutta, S.*, Ma, J.*, and **De Choudhury, M.** (2018). *Measuring the Impact of Anxiety on Online Social Interactions*. In Proc. ICWSM 2018: 12th International AAAI Conference on Web and Social Media.
- [EA12] † Delgado, J. M.*, Eisenstein, J., and **De Choudhury, M.** (2015). *Psychological Effects of Urban Crime Gleaned from Social Media*. In Proc. ICWSM 2015: International AAAI Conference on Web and Social Media.
- [EA13] † Sharma, S.*, and **De Choudhury, M.** (2015). *Detecting and Characterizing Nutritional Information of Food and Ingestion Content in Instagram*. In Proc. WWW 2015 Companion: 24th International World Wide Web Conference.
- [EA14] † Balani, S.*, and **De Choudhury, M.** (2015). *Detecting and Characterizing Mental Health Related Self-Disclosure in Social Media*. In Proc. CHI EA 2015: Extended Abstracts of the SIGCHI Conference on Human Factors in Computing Systems.

- [EA15] † Chancellor, S.*, Deeb, J.* and **De Choudhury, M.** (2015). *Network Analysis of Pro-Eating Disorder Instagram Communities*. In 2015 Atlanta Computational Social Science Workshop.
- [EA16] † Sharma, S.*, Kiciman, E., and **De Choudhury, M.** (2015). *Characterizing Dietary Choices, Nutrition, and Language in Food Deserts via Social Media*. In 2015 Atlanta Computational Social Science Workshop.
- [EA17] † Jhaver, S.*, Sugar, B.*, and **De Choudhury, M.** (2015). *Characterizing the Dynamics of a Protracted Activist Movement via Social Media*. In 2015 Atlanta Computational Social Science Workshop.
- [EA18] **De Choudhury, M.**, Gamon, M., and Counts, S. (2012). *Happy, Nervous or Surprised? Classification of Human Affective States in Social Media*. In Proc. ICWSM 2012: International AAAI Conference on Weblogs and Social Media.
- [EA19] **De Choudhury, M.**, Feldman M., Amer-Yahia, S., Golbandi, N., Lempel, R., Yu, C. (2010). *Constructing Travel Itineraries from Geo-temporal Bread-crumbs*. In Proc. WWW 2010: International Conference on World Wide Web.
- [EA20] **De Choudhury, M.** (2010). *Discovery of Information Disseminators and Receptors on Online Social Media*. In Proc. HT 2010: ACM Conference on Hypertext and Hypermedia.
- [EA21] **De Choudhury, M.** (2009). *Modeling and Predicting Group Activity over Time in Online Social Media*. In Proc. HT 2009: ACM Conference on Hypertext and Hypermedia.
- [EA22] **De Choudhury, M.**, Sundaram, H., John, A., and Seligmann, D. D. (2008). *Multi-scale Characterization of Social Network Dynamics in the Blogosphere*. In Proc. CIKM 2008: ACM Conference on information and Knowledge Management. [16%]

Refereed Panels and Workshops

- [P1] † Jhaver, S., Garimella, K., **De Choudhury, M.**, Wilson, C., Vashistha, A., and Mitra, T. (2023). *Getting Data for CSCW Research*. In Computer Supported Cooperative Work and Social Computing (pp. 415-416).
- [P2] † Bhattacharjee, A., Kulzhabayeva, D., Reza, M., Kumar, H., Seong, E., Wu, X., Rifat, M.R., Bowman, R., Kornfield, R., Mariakakis, A., Ahmed, S.I., **De Choudhury, M.**, Doherty, G., Czerwinski, M., and Williams, J.J. (2023). *Integrating Individual and Social Contexts into Self-Reflection Technologies*. In Extended Abstracts of the 2023 CHI Conference on Human Factors in Computing Systems (pp. 1-6).
- [P3] † Patel, D., Pendse, S., **De Choudhury, M.**, Dsane, S., Krusan, K.P., Kumar, N., Singh, A. and Warner, M. (2022). *Information-Seeking, Finding Identity: Exploring the Role of Online Health Information in Illness Experience*. In Companion Publication of the 2022 Conference on Computer Supported Cooperative Work and Social Computing (pp. 263-266).
- [P4] † Mamykina, L., A. Epstein, D., Klasnja, P., Sprujt-Metz, D., Meyer, J., Czerwinski, M., Althoff, T., Choe, E.K., **De Choudhury, M.** and Lim, B. (2022). *Grand Challenges for Personal Informatics and AI*. In CHI Conference on Human Factors in Computing Systems Extended Abstracts (pp. 1-6).
- [P5] † Burgess, E.R.*, Zhang, A.R.*, Feuston, J.L.*, Reddy, M.C., Ernala, S.K.*, **De Choudhury, M.**, Schueller, S., Aguilera, A. and Czerwinski, M., (2020). *Technology Ecosystems: Rethinking Resources for Mental Health*. In Proc. CHI 2020 Workshops/Symposia: Extended Abstracts of the 2020 CHI Conference on Human Factors in Computing Systems.
- [P6] † Inkpen, K., **De Choudhury, M.**, Chancellor, S.*, Veale, M.*, and Baumer, E. *Where is the Human? Bridging HCI and AI*. In Proc. CHI 2019 Workshops/Symposia: CHI Conference on Human Factors in Computing Systems Extended Abstracts.
- [P7] † Blount, L. (organizer and moderator), Rawlings-Goss, R., **De Choudhury, M.**, and Schomberg, J. (2017). *One Byte At A Time: Using Big Data to Prevent Chronic Conditions*. In Annual Meeting of the American Public Health Association (APHA), 2017.

- [P8] † Wohn, D., Fiesler, C., Hemphill, L., **De Choudhury, M.**, and Matias, N. (2017). *How to Handle Online Risks?: Discussing Content Curation and Moderation in Social Media*. In 2017 CHI Conference on Human Factors in Computing Systems, CHI 2017.
- [P9] † Keegan, B. (moderator), Cavazos-Rehg, P., Nguyen, A., Savage, S., Kaye, J. (organizer), **De Choudhury, M.**, and Paul, M. (2017). *CHI-nnabis: Implications of Marijuana Legalization for and from Human-Computer Interaction*. In 2017 CHI Conference on Human Factors in Computing Systems, CHI 2017.
- [P10] † Pasek, J. (organizer and moderator), Stern, M. (discussant), Hsieh, Y., Conrad, F., and † **De Choudhury, M.** (2015). *Twitter Data for Social Research: Empirical Evidence*. In 70th Annual Conference of American Association for Public Opinion Research (AAPOR).
- [P11] † Counts, S., **De Choudhury, M.** (organizer and moderator), Diesner, J., Gilbert, E., Gonzalez, M., Keegan, B., Naaman, M., Wallach, H. (2014). *Computational Social Science: CSCW in the Social Media Era*. In the 17th ACM Conference on Computer Supported Cooperative Work & Social Computing (CSCW), 2014.

Refereed Workshop Papers

- [W1] † Caddle, X.*, Alsoubai, A.*, Razi, A.*, Kim, S.*, Ali, S.*, Stringhini, G., **De Choudhury, M.** and Wisniewski, P. (2021). *Instagram Data Donation: A Case for Partnering with Social Media Platforms to Protect Adolescents Online*. In ACM Conference on Human Factors in Computing Systems (CHI 2021)/Social Media as a Design and Research Site in HCI: Mapping Out Opportunities and Envisioning Future Uses Workshop.
- [W2] † Razi, A.*, Kim, S.*, Alsoubai, A.*, Caddle, X.*, Ali, S.*, **De Choudhury, M.**, and Wisniewski, P. (2021). *Teens at the Margin: Artificially Intelligent Technology for Promoting Adolescent Online Safety*. In ACM Conference on Human Factors in Computing Systems (CHI 2021)/Artificially Intelligent Technology for the Margins: A Multidisciplinary Design Agenda Workshop.
- [W3] † **De Choudhury, M.** (2021). *Social media derived biomarkers of mental health: opportunities, pitfalls, and the next frontier*. In Proceedings of the 2021 Workshop on Future of Digital Biomarkers (pp. 3-3).
- [W4] † Martinez, G.*, Mattingly, S.*, Young, J., Faust, L., Dey, A., Campbell, A., **De Choudhury, M.**, Mirjafari, S.*, Nepal, S.*, Robles-Granda, P., Saha, K.*, and Striegel, A. (2020). *Improved Sleep Detection Through The Fusion of Phone Agent and Wearable Data Streams*. In Workshop on Sensing Systems and Applications Using Wrist Worn Smart Devices (WristSense), co-located with IEEE PerCom. * Co-primary authors
Best Paper Honorable Mention
- [W5] † Razi, A.*, Kim, S.*, **De Choudhury, M.** and Wisniewski, P., (2019). *Ethical considerations for adolescent online risk detection AI systems*. In Good Systems: Ethical AI for CSCW (The 22nd ACM Conference on Computer-Supported Cooperative Work and Social Computing).
- [W6] † Saha, K.*, Chandrasekharan, E.* and **De Choudhury, M.** (2019). *Hateful Speech in Online College Communities*. In Managing and Designing for Norms in Online Communities Workshop, colocated with ICWSM 2019.
- [W7] † Yoo, D. W.*, Abowd, G., **De Choudhury, M.** (2018). *Social Context in College Student Personal Data: Designing New Mental Health Technology*. In Social Issues in Personal Informatics Workshop colocated with CSCW 2018.
- [W8] † Chancellor, S.*, Zampieri, F.*, Hu, A.*, Nitzberg, G., and **De Choudhury, M.** (2018). *Analysis of Deviant Opioid Addiction Treatment Communities on Reddit*. In 2018 Social Media and Health Workshop, colocated with International Conference on Web and Social Media (ICWSM 2018).
- [W9] † Saha, K.*, Ernala, S.*, Rizuto, C.*, Torous, J., and **De Choudhury, M.** (2018). *A Study of Mental Health Awareness Campaigns on Social Media*. In 2018 Social Media

and Health Workshop, colocated with International Conference on Web and Social Media (ICWSM 2018).

- [W10] † Chancellor, S.*, Birnbaum, M., Silenzio, V., Caine, E., and **De Choudhury, M.** (2017). *Ethical Challenges in Algorithmic Inference of Mental Health Status with Large-Scale Social Data*. In Proceedings of the Computational Linguistics and Clinical Psychology (CLPsych) Workshop, colocated with ACL 2017.
- [W11] † Stewart, I.*, Chancellor, S.*, **De Choudhury, M.**, Eisenstein, J. (2017). *#anorexia, #anarexia, #anarexyia: Characterizing Online Community Practices with Orthographic Variation*. In Proceedings of the SocialNLP Workshop, colocated with IEEE Big Data.
- [W12] † Chancellor, S.*, Silenzio, V., Caine, E., and **De Choudhury, M.** (2016). *Social Media Big Data as a “Sensor” of Mental Well-being: Ethical Insights and Challenges*. In CSCW 2016 Workshop on Human Centered Data Science.
- [W13] † **De Choudhury, M.** (2014). *Can Social Media Help Us Reason About Mental Health?* In Proc. WWW Companion 2014: Companion Publication of the 23rd International Conference on World Wide Web Companion.
- [W14] Kiciman, E., **De Choudhury, M.**, Counts, S., Gamon, M., and Thiesson, B. (2013). *Analyzing Social Media Relationships in Context with Discussion Graphs*. In Proceedings of the Eleventh Workshop on Mining and Learning with Graphs, colocated with KDD 2013. MLG 2013.
- [W15] **De Choudhury, M.** (2013). *Role of Social Media in Tackling Challenges in Mental Health*. In Proceedings of the 2nd International Workshop on Socially-Aware Multimedia, colocated with ACM Multimedia 2013. SAM 2013.
- [W16] **De Choudhury, M.** (2013). *Social Media for Mental Illness Risk Assessment, Prevention and Support*. In Proceedings of the 1st ACM Workshop on Social Media World Sensors, colocated with HyperText 2013.
- [W17] **De Choudhury, M.**, Counts, S., and Horvitz, E. (2012). *How Social Information Networks Reflect Major Life Events: Case of Childbirth*. In the Workshop on Information In Networks (WIN 2012).
- [W18] **De Choudhury, M.**, and Sundaram, H. (2011). *Why Do We Converse on Social Media? An Analysis of Intrinsic and Extrinsic Network Factors*. In Proc. SIGMM Workshop on Social Media (WSM 2011), colocated with ACM Multimedia 2011.
- [W19] **De Choudhury, M.**, Sundaram, H., John, A., and Seligmann, D. D. (2007). *Context Aware Routing of Enterprise User Communications*. In Proc. IEEE international Conference on Pervasive Computing and Communications Workshops.

Theses

- [T1] **De Choudhury, M.** (2011). *Analyzing the Dynamics of Communication in Online Social Networks*. PhD Thesis, School of Computing, Informatics and Decision Systems Engineering, Arizona State University, Tempe.
- [T2] **De Choudhury, M.** (2005). *Pattern Recognition of Geographic Structures in Satellite Imagery*. B.Tech Thesis, National Institute of Technology, Bhopal, India.

PATENTS

- [A1] Yom-Tov, E., Horvitz, E., White, R., **De Choudhury, M.**, and Counts, S. (2013) *User Behavior Monitoring on a Computerized Device*. US Patent 9,427,185.
- [A2] Amer-Yahia, S., **De Choudhury, M.**, Feldman M., Golbandi, N., Lempel, R., Yu, C., (2009) *Constructing Travel Itineraries from Tagged Geo-Temporal Photographs*. US Patent 8,285,483.
- [A3] **De Choudhury, M.**, Gamon, M., and Counts, S. (2013) *Classification of Affective States in Social Media*. US Patent App. 13/918,709.

[A4] Counts, S., **De Choudhury, M.**, and Czerwinski, M. (2011) *Information Entropy-Based Sampling of Social Media*. US Patent App. 13/425,329.

TEACHING

Georgia Tech (Instructor) [*: Developed new or significantly revised curriculum]
 – * Social Computing (CS 6474/4803) [Undergraduate/Graduate]: Fall 2014; Fall 2016; Fall 2017; Fall 2018; Fall 2019; Spring 2021; Spring 2022; Spring 2023; Enrollment: 25-48 students
 – * Data Analytics for Well-Being (CS 8803) [Graduate]: Spring 2016; Enrollment: 15-25 students
 – Collaborative Computing (CS 7460) [Graduate]: Spring 2015; Enrollment: 15-25 students
 – Computing, Society, and Professionalism (CS 4001; CS 4873; CS 3001) [Undergraduate]: Spring 2017; Spring 2018; Spring 2019; Spring 2020; Spring 2021; Spring 2022; Spring 2023; Enrollment: 40-270 students

Arizona State University (Teaching Assistant)

– Software Capstone II (CSE 486) [Undergraduate]: Spring 2010; Enrollment: 35-40 students

KEYNOTE TALKS

– Digital Mental Health Symposium, Dartmouth College, September 2023.
 – Conference on Health, Inference, and Learning (CHIL), June 2023.
 – Empowering Communities: A Participatory Approach to AI for Mental Health, NeurIPS 2022 Workshop, December 2022.
 – NEATCLasS workshop, ICWSM 2022, June 2022.
 – 27th Annual Conference on Intelligent User Interfaces (IUI), March 2022.
 – Global Research Forum: Fruition and Challenges of Computational Social Science, Aug 2021.
 – Workshop on Computational Linguistics and Clinical Psychology (CLPsych), June 2021.
 – Digital Biomarkers Workshop (MobiSys 2021), June 2021.
 – Digitization Stockholm, November 2020.
 – International Conference on Computational Social Science (IC2S2), July 2020.
 – Wayne State University RoBUST 4th Annual Fall Symposium New Methods in Biobehavioral Health Research, September 2018.
 – University of Oregon Center for Digital Mental Health Launch Workshop, August 2017.
 – Mining Online Health Reports Workshop, February 2017.
 – #FAIL Workshop: Things that Didn't Work Out in Social Media Research, May 2016.
 – GESIS Computational Social Science Winter Symposium, Cologne, December 2015.
 – Univ. of Lincoln Eating Disorders, Social Media & Digital Tech Workshop, December 2015.
 – Computational Linguistics & Clinical Psychology Workshop, June 2015.
 – Intl. Workshop on Socially Aware Multimedia, Nov 2014.
 – Connecting Online and Offline Life Workshop (COOL 2014), Seoul, South Korea, Apr 2014.

INVITED

SEMINAR TALKS

– Stanford University, November 2023.
 – Cornell University, November 2023.
 – Rutgers University, October 2023.
 – Artificial Intelligence and Machine Learning for Mental Health Seminar Series, Oxford University, October 2023.
 – University of Texas at Austin, March 2023.
 – North Carolina State University, February 2023.
 – Brigham Young University, February 2023.
 – Hong Kong Baptist University, November 2022.
 – Harvard University, Center for Health and Happiness, September 2022.
 – University of South Carolina, November 2021.
 – Imperial College London, June 2021.
 – Summer School on Computational Social Science, *Princeton University*, June 2021.
 – Summer School on Computational Social Science, *Higher School of Economics, Moscow*, Jun'21.
 – Summer School on Computational Social Science, *Rutgers University*, June 2021.
 – *Georgetown University* - Computer Science Department Seminar Series, May 2021.

- *Johns Hopkins University* - Department of Public Health Speaker Series, March 2021.
- *University of Michigan* Data Science Institute Seminar, February 2021.
- *University of Iowa* and ACM@UIOWA, February 2021.
- *Purdue University*, Department of Psychological Sciences Seminar, October 2020.
- *Cornell University*, Health and Computational Guest Speaker, April 2020.
- *EPFL (Ecole polytechnique federale de Lausanne)* Computer Science Speaker Series, Dec 2019.
- *Stanford University* Department of Communication Speaker Series, November 2019.
- *Microsoft Research*, Bangalore, July 2019.
- *Wadhvani AI Institute*, Mumbai, July 2019.
- *University of Minnesota* ECE Distinguished Speaker Series, February 2019.
- *Northwestern University* TSB Program Distinguished Speaker Series, January 2019.
- *Lehigh University*, November 2018.
- *University of Pennsylvania*, February 2018.
- *University of Michigan*, December 2017.
- *Centers for Disease Control and Prevention (CDC)*, December 2017.
- *Northeastern University*, November 2016.
- *Office of US Marine Corps.*, September 2016.
- *Stanford University*, February 2016.
- *Dartmouth College*, January 2016.
- *Indiana University-Purdue University*, October 2015.
- *Instituto Nacional de Estadística y Geografía (INEGI, Mexico)*, August 2015.
- *IBM Research Almaden*, February 2015.
- *Oak Ridge National Laboratory*, October 2014.
- *Johns Hopkins University*, September 2014.
- *Georgia Tech*, September 2014; April 2013; December 2012.
- *Georgia Tech Research Institute*, July 2014.
- *Emory University*, April 2014.
- *Univision*, March 2014.
- *Microsoft Research, New York City*, April 2013
- *University of Washington*, April 2013.
- *Lehigh University*, March 2013.
- *University of North Carolina Charlotte*, March 2013.
- *Microsoft Research, Redmond*, January 2011; March 2013.
- *University of Pittsburgh*, February 2013.
- *University of Rochester*, January 2013.
- *Indiana University Bloomington*, February 2011.
- *Rutgers University*, November 2010.

OTHER
INVITED TALKS

- Global Mental Health Conference Plenary Session on “What Promises and Challenges Does Stratification Hold for Global Mental Healthcare?”, October 2023.
- Resiliency Roundtable: Social Media, Screen Time & Youth Wellbeing, September 2023.
- Oxford Machine Learning Summer Institute, July 2023.
- CIFAR Child & Brain Development Meeting, May 2023.
- Gender and Mental Health Meeting, Harvard Radcliffe Institute, April 2023.
- 5th Annual Likert Workshop, February 2023.
- 9th Munich Kraepelin Symposium, January 2023.
- Reading and Repairing the Social Fabric -A Symposium hosted by the Harvard Human Flourishing Program, Jan 2023.
- Namaste HCI, Dec 2022.
- Mission Daybreak Webinar, Oct 2022.
- Microsoft Faculty Summit, Oct 2022.
- ICML Workshop on “Computational Approaches to Mental Health”, July 2021.
- NIMH Workshop on Advanced Statistical Methods and Dynamic Data Visualizations for Mental Health Studies, June 2021.
- Technology and Measurement Around the Globe Symposium, June 2021.

- Web of Health Track at The Web Conference, May 2021.
- E-Mental Health Conference, March 2021.
- AAAI Workshop on AI for Behavior Change, February 2021.
- Society for Computation in Psychology - Presidential Symposium, November 2020.
- Brigham Health/Harvard Medical School 2nd Annual Computational Neuroscience Symposium, October 2020.
- X4D Seminar - Approaching Development from Different Disciplines and Epistemic Locations, October 2020.
- Digital Innovation in Mental Health Meeting, July 2020.
- Kavli-National Academies of Sciences Frontiers in Science Symposium, July 2020.
- National Academies Workshop on Big Data, Causal Analysis, and Aging, October 2019.
- Banbury "Bridging the Research-to-Practice Chasm in Digital Mental Health", October 2019
- Human-Centered AI Summer School, New Delhi, July 2019.
- IARPA-Social Media Deep Dive Meeting, May 2019.
- Society for Research in Child Development/Jacobs Foundation - Atlanta Meeting, March 2019.
- Center for Ethics - Emory University, December 2018.
- Google Health Symposium, November 2018.
- Technology in Psychiatry Summit (TIPS) - Harvard Medical School, November 2018.
- Summer School Series on Methods for Computational Social Science, July 2018.
- National Academies Workshop on on Harnessing Mobile Technology to Predict, Diagnose, Monitor, and Develop Treatments for Nervous System Disorders, June 2018.
- Carnegie Mellon-Georgia Tech Machine Learning Symposium, June 2018.
- Georgia Tech Civic Data Science Program, May 2018.
- Institute for People and Technology Industry Day, April 2018.
- Society for Personality and Social Psychology (SPSP), March 2018.
- New America Panel on "Will Technology Transform Mental Healthcare?", September 2017.
- Georgia Tech GVU Center 25 Year Celebration, October 2017.
- Georgia Tech Health Systems Workshop, September 2017.
- CCC-NSF Smart Health Workshop, December 2016.
- Pacific Northwest National Laboratory Faculty Summit, June 2016.
- PyData Atlanta Meetup, June 2016.
- Georgia Tech NLP Symposium, April 2016.
- University of Washington "Social Inequality and Health" Panel, November 2015.
- NSF Modeling Health Workshop (London, UK), August 2015.
- Northwestern-Dartmouth-NSF College Student Health Workshop, August 2015.
- Data Science for Social Good Seminar - Atlanta Chapter, June 2015.
- Data Privacy Day Panel, January 2015.
- Atlanta Computational Social Science Workshop, November 2014.
- GVU Annual Advisory Board Meeting, October 2014.
- School of Interactive Computing Annual Advisory Board Meeting, October 2014.
- mHealth Training Institute, August 2014.
- 2014 KAIST Workshop on Social Media and Culture, April 2014.
- COLLABORATE 2014: Georgia Tech-CDC Workshop, March 2014.
- TEDxWomen, South Lake Union, December 2012.
- Computer Science Education Week, Microsoft Day of Caring, December 2012.
- Data Analytics Forum, Microsoft SQL Server Team, July 2012.
- Microsoft Research TechFest 2012, February 2012.
- Social Research Offsite, Microsoft Bing, October 2011.
- Transportation Research Board (TRB), May 2011.
- Annual Watson Workshop on Emergent Leaders in Multimedia, IBM, October 2010.
- LGSA Interdisciplinary Graduate Research Symposium, Arizona State University, March 2010.
- Key Scientific Challenges Graduate Student Summit, Yahoo! Research, September 2009.
- Avaya Labs, June 2009; August 2006.
- CSE PhD Forum Seminar, Arizona State University, April 2009.

(SELECTED)

EXTERNAL SERVICE

Chair/Steering Committee:

- National Academies Committee Member on “Assessment of the Impact of Social Media on the Health and Wellbeing of Adolescents and Children”
- Contributor, U.S. Surgeon General’s Advisory on The Healing Effects of Social Connection: 2023.
- *Papers Co-Chair*, CSCW: 2023
- *Doctoral Consortium Co-Chair*, CSCW: 2022
- *“Interaction Beyond the Individual” Subcommittee Chair*, CHI: 2021
- *Diversity and Inclusion Chair*, The Web Conference: 2021 (TheWebCon)
- *General Chair*, Intl. Conference on Weblogs & Social Media: 2020 (ICWSM)
- *Steering Committee Member*, Intl. Conference on Weblogs & Social Media: 2015-2020 (ICWSM)
- *Program Co-chair*, International Conference on Weblogs & Social Media: 2014 (ICWSM)
- *Track Co-chair*, “Web and Society”, at The Web Conference: 2019 (TheWebConf)
- *Workshop Co-chair*, International Conference on Weblogs & Social Media: 2016 (ICWSM)
- *Sponsorship Chair*, International Conference on Weblogs & Social Media: 2013 (ICWSM)
- *Area Co-chair*, “Social Media & Presence”, at ACM Multimedia: 2013 (MM)
- *Track Co-chair*, “Social Media”, at the ACM Hypertext and Social Media: 2012 (HT)

Editor:

- Editorial Board, Proceedings of the ACM on Interactive, Mobile, Wearable and Ubiquitous Technologies (2019–2023)
- Editorial Board, Human-Computer Interaction Journal (Taylor & Francis) (2021–2022)
- Editorial Board, Springer EPJ Data Science (2018–2021)
- Editorial Board, Springer Human Computer Interaction Series (2017–)
- Human Computer Interaction Journal Special Issue: Unifying HCI and AI (2019)
- ACM TKDD Special Issue: Connected Health at Big Data Era (2014)

Organizer:

- CSCW Workshop on “Information Seeking, Finding Identity”: 2022
- CHI Workshop on “Global Challenges for Personal Informatics and AI”: 2022
- CHI Workshop on “Technology Ecosystems and Mental Health”: 2020
- CHI Workshop on “Where is the Human? Bridging HCI and AI”: 2019
- ICWSM Workshop/AAAI Spring Symposium on “Observational studies through social media and other human-generated content”: 2016, 2017
- AAAI Spring Symposium “Observational studies through social media and other human-generated content”: 2016
- BigCHat: KDD Workshop on Connected Health at Big Data Era: 2014, 2015
- First Workshop on Social Computing for Workforce 2.0: 2013

Associate Chair/Senior Program Committee/Program Committee Member:

- ACM Conf. on Human Factors in Computing Systems (CHI): 2015-20, 2022
- ACM Conf. on Computer Supported Cooperative Work & Social Computing (CSCW): 2018-19
- ACM Conference on Web Search and Data Mining (WSDM): 2012, 2014-2016
- The Web Conference (TheWebCon)/International World Wide Web Conference (WWW): 2012, 2014-18, 2022
- Annual Meeting of the Association for Computational Linguistics (ACL): 2014-18
- Conference on Empirical Methods in Natural Language Processing (EMNLP): 2012, 2016-17
- ACM Conference on User Modeling, Adaptation and Personalization (UMAP): 2016, 2017
- International School and Conference on Network Science (NetSci): 2017
- International Conference on Computational Social Science (IC2S2): 2015, 2017
- ACM Multimedia (MM): 2015
- International Conference on Social Informatics (SocInfo): 2014-17
- iConference: 2015, 2016
- IEEE International Conference on Healthcare Informatics (ICHI): 2015
- European Chapter of the Association for Computational Linguistics (EACL): 2014

- ACM Conf. on Bioinformatics, Computational Biology & Health Informatics (BCB): 2014-15
- Annual Meeting of the Association for Information Science and Technology (ASIS&T): 2014
- International Joint Conference on Artificial Intelligence (IJCAI): 2013, 2016
- International AAAI Conference on Weblogs & Social Media (ICWSM): 2011-13, 2015-16
- ACM Conference on Hypertext (HT), "Social Linking" track: 2011-14
- Intl Conf on Advances in Social Network Analysis and Mining (ASONAM): 2011-14
- Indian National Conference on HCI: 2014

Journal Reviewer:

- *General Purpose*: Nature Human Behavior; Nature Scientific Reports; Nature Partner Journal
- Digital Medicine; PNAS; PLoS One; Journal of Complexity; ACM Computing Surveys, Management Science
- *ACM Transactions*: TOCHI, TWeb, TSC, TOIS, TKDD, TOMM, TIST
- *IEEE Transactions*: Multimedia, Knowledge and Data Engineering
- *HCI, Information Science, and Data Science*: JASIST; New Media and Society; CSCW Journal; Elsevier International Journal of Human-Computer Studies; Springer EPJ Data Science; Elsevier Information Systems; Information Systems Research
- *Health*: Journal of Medical Internet Research (JMIR); BMC Public Health; Translational Behavioral Medicine: Practice, Policy and Research; Elsevier Computer Methods and Programs in Biomedicine; International Journal of Medical Informatics; International Journal of Environmental Research and Public Health; Forum for Health Economics & Policy
- *Machine Learning, NLP, and AI*: Machine Learning Journal; World Wide Web Journal; International Journal on Artificial Intelligence Tools; Decision Support Systems; Journal of Computational Science; Computational Linguistics

INTERNAL SERVICE

- Faculty Hiring Committee Chair, School of Interactive Computing, Georgia Tech (2021-2022)
- School Advisory Committee, School of Interactive Computing, Georgia Tech (2020-2022)
- Research That Matters Task Force, Georgia Tech (2020)
- Area Lead of Social Computing, School of Interactive Computing, Georgia Tech (2017–2021, 2022–present)
- Faculty Hiring Committee, School of Interactive Computing, Georgia Tech (2015, 2016, 2017)
- PhD Qualifier Committee, School of Interactive Computing, Georgia Tech (2016)
- Microsoft Research PhD Fellowship Review Committee (2013)
- CSE Graduate Student Forum, Arizona State University (2008–2011)
- Women in Computer Science, Arizona State University (2008-2011)

ADVISING AND MENTORING

Postdoctoral Researchers/Research Scientists:

- Daejin Choi, Research Scientist I, January 2019—August 2020; Currently, *Assistant Professor of Computer Science (tenure-track) at Incheon National University*
- Mai ElSherief, Postdoctoral Researcher, November 2019—June 2021; Current *Assistant Professor of Computer Science (tenure-track) at Northeastern University*
- Talayeh Aledavood, Postdoctoral Researcher, January 2020—December 2020; Currently *Lecturer of Computer Science at Aalto University*

PhD Students Advised/Co-Advised:

- Stevie Chancellor, PhD Human Centered Computing, Fall 2014—Spring 2019; Currently, *Assistant Professor of Computer Science (tenure-track) at the University of Minnesota*
- Koustuv Saha, PhD Computer Science, Fall 2016—Spring 2021; Currently, *Assistant Professor of Computer Science (tenure-track) at the University of Illinois-Urbana Champaign*
- Sindhu Kiranmai Ernala, PhD Computer Science, Fall 2016—Spring 2021; Currently, *Research Scientist at Facebook Core Data Science*
- Dong Whi Yoo, PhD Human Centered Computing, Co-Advisor: Gregory Abowd, Fall 2018—Summer 2023; Currently, *Assistant Professor (tenure-track) at Kent State University*
- Vedant Das Swain, PhD Computer Science, Co-Advisor: Gregory Abowd, Fall 2018—Summer

2023; Currently, *Distinguished Research Fellow at Northeastern University*

- Seunghyun (Matt) Kim, PhD Computer Science, Fall 2019—
- Sachin Pendse, PhD Human-Centered Computing, Co-Advisor: Neha Kumar, Fall 2019—
- Jiawei Zhou, PhD Human-Centered Computing, Fall 2020—
- Jasmine Moore, PhD Human-Centered Computing, Fall 2021—
- Mohit Chandra, PhD Computer Science, Fall 2022—
- David Gomez, PhD Computer Science, Fall 2021—
- Shravika Mittal, PhD Computer Science, Fall 2023—
- Cuong (Johnny) Nguyen, PhD Computer Science, Co-Advisor: Srijan Kumar, Fall 2023—

PhD Proposal/Dissertation Committee:

- Bing He, PhD Computer Science
- Upol Ehsan, PhD Computer Science
- Darren Scott Appling, PhD Human-Centered Computing
- Ashutosh Baheti, PhD Computer Science
- Stanley J. Cantrell, PhD Human-Centered Computing
- Qiaosi (Chelsea) Wang, PhD Human-Centered Computing
- Jalehsadat Mahdavi-moghaddam (Toronto Metropolitan University), PhD Computer Science
- Kristina Gligorić (EPFL), PhD Computer Science
- Mehrab Bin Morshed, PhD Computer Science
- Afsaneh Razi (University of Central Florida), PhD Computer Science
- Qiaosi (Chelsea) Wang, PhD Human-Centered Computing
- Adriana Alvarado-Garcia, PhD Digital Media
- Florina Dutt, PhD Urban Planning
- Sandeep Soni, PhD Computer Science
- Ian Stewart, PhD Human Centered Computing
- Unaiza Ahsan, PhD Computer Science
- Umashanthi Pavalanathan, PhD Computer Science
- C. J. Hutto, PhD Human Centered Computing
- Chaya Hiruncharoenvate, PhD Computer Science
- Acar Tamersoy, PhD Computer Science
- Saeideh Bakhshi, PhD Computer Science
- Lydia Manikonda, PhD Computer Science (Arizona State University)

MS Students Advised/Mentored:

- Rohan Pillai, MS Computer Science, 2023.
- Mini Jain, MS Computer Science, 2023.
- Shruti Belgali, MS Computer Science, 2023.
- Darshi Shah, MS Human-Computer Interaction, 2023.
- Radium Zhang, MS Computer Science, 2023.
- Rhea Matthew, MS Computer Science, 2023.
- Shubham Agarwal, MS Computer Science, Spring 2022-Fall 2022
- Cuong (Johnny) Nyugen, MS Computer Science, Fall 2022—
- Shravika Mittal, MS Computer Science, Fall 2021—
- Karthik Siva Ramesh, MS Computer Science, Spring 2022
- Gao Lan, MS Industrial Design, Fall 2022—
- Jingjing Ye, MS Computer Science, Spring 2022-Fall 2022
- Devashru Patel, MS Computer Science, Fall 2020—Fall 2021
- Kathan Kashiparekh, MS Computer Science, Fall 2019-Spring 2021
- Jordan Taylor, MS Computer Science, Fall 2020-Spring 2021
- Sanjana Garg, MS Computer Science, Fall 2020-Spring 2021
- Haomin Lin, MS Computational Science and Engineering, Fall 2020—Spring 2021
- Jiajia Xie, MS Computational Science and Engineering, Spring 2020—Spring 2021
- Pranshu Gupta, MS Computer Science, Fall 2019—Spring 2020

- Shrija Mishra, MS Computer Science, Fall 2019—Spring 2020
- Domino Weir, MS Computer Science, Fall 2018—Spring 2020
- Kelsie Belan, MS Human Computer Interaction, Fall 2018—Spring 2020
- Asra Yousuf, MS Computer Science, Spring 2019—Fall 2019
- Jayant Jain, MS Computer Science, Spring 2019—Fall 2019
- Manikanta D. Reddy, MS Computer Science, Fall 2018—Spring 2019
- Amelia Glaese, MS Computer Science, Fall 2018
- Fred Bane, MS Computer Science, Fall 2017
- Tristan Labetoulle, MS Computer Science, Fall 2017
- Dong Whi Yoo, MS Human Computer Interaction, Fall 2017—Spring 2018
- Cheryl Huimin Cheong, MS Human Computer Interaction, Fall 2017—Spring 2018
- Andrea Hu, MS Computer Science, Fall 2017—Fall 2018
- Jennifer Ma, MS Computer Science, Fall 2017—Spring 2018
- Akshay Agarwal, Spring 2017
- Larry Chan, MS Human Computer Interaction, Fall 2016–Spring 2017
- Oriana Ott, MS Human Computer Interaction, Fall 2016—Spring 2017
- Naman Goel, MS Computer Science, Spring 2016
- Gina Nguyen, MS Human Computer Interaction, Fall 2015—Spring 2016
- Piper Vornholt, MS Human Computer Interaction, Fall 2015—Spring 2016
- Mrinal Kumar, MS Computer Science, Fall 2015—Spring 2016
- Subhajit Das, MS Computer Science, Fall 2015—Spring 2016
- Benjamin Sugar, MS Digital Media, Fall 2015—Spring 2019
- Prajwal Rajendra Prasad, MS Computer Science, Fall 2015
- Amol Parikh, MS Computer Science, Fall 2015
- Shantanu Uday Deshpande, MS Computer Science, Fall 2015
- Paul Lazarus, MS Human Computer Interaction, Spring 2015
- Sairam Balani, MS Computer Science, Fall 2014
- Sanket Sharma, MS Computer Science, Fall 2014—Spring 2016

Undergraduate Students Advised/Mentored:

- Inhwa Song, BS Computer Science (KAIST), 2023.
- Nicholas Chang, BS Computer Science, 2023.
- Sterling Kalogeras, BS Computer Science, 2023.
- Navya Khanna, BS Computer Science, 2023.
- Ben Rochford, BS Computer Science, Fall 2021–Spring 2023
- Weihao Zhang, BS Computer Science, Spring 2022–Fall 2022
- Jordan Taylor, BS Computer Science, Spring 2019—Spring 2020
- Adam Pendry, BS Computer Science, Fall 2020–Spring 2021
- Chaitanya Konjeti, BS Computer Science, Spring 2019—Fall 2020
- Nicholas Jaffe, BS Computer Science, Fall 2020—Spring 2021
- Abhirup Ghosh, BS Computer Science, Fall 2019—present
- Devashru Patel, BS Computer Science, Fall 2019—Spring 2020
- Jordyn Seybolt, BS Psychology, Fall 2019—Spring 2021
- Gayeon (Sarah) Yoo, BS Computer Science, Spring 2020—present
- Tushna Eduljee, BS Computer Science, Fall 2019–Spring 2020
- Hemang Rajvanshy, BS Computer Science, Spring 2019—Spring 2020
- Yujia Yoo, BS Computer Science, Fall 2019—Spring 2020
- Michael Xiao, BS Computer Science, Spring 2019—Fall 2020
- Raksha Muthukumar, BS Computer Science, Spring 2018
- Sang-Chan Kim, BS Computer Science, Spring 2017—Spring 2019
- Tahirah Ahmad, BS Computer Science, Fall 2018—Spring 2019
- Michael Lin, BS Computer Science, Fall 2017
- Srinidhi Palwayi, BS Computer Science, Fall 2017
- Francisco Zampieri, BS Computer Science, Fall 2017—Spring 2018
- William Agnew, BS Computer Science, Spring 2016
- Koushik Krishnan, BS Computer Science, Spring 2016

- Sudeep Agarwal, BS Computer Science, Spring 2016
- Karthik Uppuluri, BS Computer Science, Spring 2016—Fall 2016
- Zhiyuan (Jerry) Lin, BS Computer Science, Spring 2015—Spring 2016

SELECTED PRESS

- *2023-11-08*: “AI Misinformation: How It Works and Ways to Spot It” by Oscar Gonzalez, CNET ([link](#)).
- *2023-07-05*: “Flexible, supportive company culture makes remote work more successful” by Carolyn Crist ([link](#)).
- *2022-06-15*: “Lawmakers Want Social Media Companies to Stop Getting Kids Hooked” by Pia Ceres ([link](#)).
- *2021-12-28*: “The TikTok Spiral, Part 2: Stuck. Together” by Zoe Thomas, The Wall Street Journal ([link](#)).
- *2021-11-17*: “Millions of helpline calls reveal how COVID affected mental health” by Heidi Ledford, Nature News ([link](#)).
- *2021-05-30*: “Reset Your Boundaries, Online and Off” by Katie Cusumano, New York Times ([link](#)).
- *2020-12-04*: “High levels of pandemic-induced anxiety, depression observed in social media posts” by Spark, CBC Radio ([link](#)).
- *2020-10-12*: “Is Everybody Doing . . . OK? Let’s Ask Social Media” by Casey Schwartz, New York Times ([link](#)).
- *2020-09-16*: “Study finds active shooter drills have negative impacts on students” by Katharine DeRosa, The Commonwealth Times ([link](#)).
- *2020-09-03*: “Active shooter drills are meant to prepare students. But research finds ‘severe’ side effects” by Tyler Kingkade, NBC News ([link](#)).
- *2020-09-03*: “Study links active shooter drills in schools to increased depression and anxiety” by Zack Budryk, The Hill ([link](#)).
- *2020-09-03*: “Georgia Tech researchers find active shooter drills in schools may increase anxiety, depression for several months” by Joe Henke, 11Alive - Atlanta ([link](#)).
- *2020-06-15*: “Has Twitter just had its saddest fortnight ever?” by Giuliana Viglione, Nature ([link](#)).
- *2020-02-24*: “How researchers are using Reddit and Twitter data to forecast suicide rates” by Rebecca Heilweil, Vox ([link](#)).
- *2019-02-19*: “How machine learning could be used to predict who will take their own life” by William Kremer, BBC ([link](#)).
- *2017-11-28*: “Facebook created an AI tool that can prevent suicide, but won’t talk about how it works” by Rebecca Ruiz ([link](#)).
- *2017-10-03*: “Will Technology Transform Mental Health Care? A Future Tense Event Recap” by Tonya Riley ([link](#)).
- *2017-02-23*: “Here’s how successful dieters leverage social media to successfully lose weight” by Adam Bible ([link](#)).
- *2017-06-01*: “Who has better mental health: Public or private college students?” by Science News ([link](#)).
- *2016-08-03*: “Black Lives Matter: The social media behind a movement” by Anealla Safdar, Aljazeera ([link](#)).
- *2016-05-16*: “How Technology Could Solve the Food Desert Crisis” by Alex Swerdloff, Vice ([link](#)).

- 2016-04-14: “Why Eating Disorders Are So Hard For Instagram And Tumblr To Combat” by Stephanie M. Lee, BuzzFeed (link).
- 2016-03-10: “Instagram’s banning of pro-anorexia content may have made the problem worse, scientists find” by Doug Bolton, The Independent (link).
- 2016-03-01: “The Instagrams of Food Deserts” by Julie Beck, The Atlantic (link).
- 2016-03-11: “Pro-eating disorder communities modify hashtag terms to perpetuate the movement” by Marisa Kabas, Daily Dot (link).
- 2015-09-25: “Celebrity Suicides Cast Negative Tone in Support Forums” by Rick Nauert PhD, Psych Central (link).
- 2015-09-24: “How celebrity suicides change support-seeking practices on social media” , Phys.org (link).
- 2015-02-17: “How Getting #Engaged Changes Your Tweets” by Elizabeth Preston, Discover Magazine (link).
- 2015-02-15: “Facebook detects signs of postpartum depression” by Rachel Ehrenberg, Science Magazine (link).
- 2015-02-13: “Love in the Time of Twitter” by Natasha Singer, New York Times (link).
- 2014-12-26: “Risks in Using Social Media to Spot Signs of Mental Distress” by Natasha Singer, New York Times (link).
- 2014-11-07: “Algorithms Understand” by Brooke Gladstone, NPR “On The Media” (link).
- 2014-04-22: “As Drug War Rages, Tweets Reveal Mexicans? Emotional Numbness” by Larry Greenemeier, Scientific American (link).
- 2014-03-31: “What’s New in Digital and Social Media Research: How editors see the news differently from readers, and the limits of filter bubbles” by John Wihbey, Nieman Lab (link).
- 2014-03-05: “Mexican Drug War Shows Rising Violence Leads to Numbing of Social Media Posts” by Mary-Ann Russon, International Business Times (link).
- 2014-01-27: “Can Social Media Help Direct Mental Health Aid?” by Nidhi Subbaraman, NBC News (link).
- 2014-03-15: “How Twitter Knows When You’re Depressed” by Sam Frizell, TIME Magazine (link).
- 2013-12-04: “How Microsoft Research is Using Social Data to Understand Depression” by Elaine Ellis Reddy, Gnip Data Story (link).
- 2012-11-05: “24 hours before the election will the most social media savvy guy win?” by Eileen Brown, ZDNet (link).
- 2012-02-15: “Twitter Tool Will Help Journalists Break News [VIDEO]” by Joann Pan, Mashable (link).
- 2012-02-14: “Social media tool aims to help journalists find undiscovered, reliable sources on Twitter” by Steve Myers, Poynter (link).
- 2010-07-23: “Using Flickr Photos as a Travel Guide” by Jennifer Valentino-DeVries, Wall Street Journal (link).
- 2010-06-24: “A new online travel guide evaluates what sights to the tourists are particularly popular” by Friedemann Sittig, Welt Online (link).
- 2010-06-15: “Flickr Photos Yield Tourist Trails” by Tom Simonite, MIT Technology Review (link).
- 2010-05-14: “Can Social Networks Be Generated Automatically?” by Erica Naone, MIT Technology Review (link).