

# Munmun De Choudhury

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- CONTACT** School of Interactive Computing, Georgia Institute of Technology  
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Email: [munmund@gatech.edu](mailto:munmund@gatech.edu)  
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- RESEARCH INTERESTS** Computational and data science problems around modeling online social interactions to infer and understand personal and collective mental, behavioral, and psychological well-being. General interests include: social computing, natural language analysis, machine learning, psychology.
- APPOINTMENTS** **School of Interactive Computing, Georgia Institute of Technology**  
**Assistant Professor (Tenure-Track)**, Jan 2014—present
- 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, Arizona State University (Aug 2005—Feb 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 (Microsoft Research), Doree Seligmann (Avaya Labs)
- Bachelor of Technology, National Inst. of Technology (Sep 2001—May 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**
- 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 (ACM SIGCHI).
- Best Paper Honorable Mention ( $\times 2$ ), CSCW 2016 (ACM SIGCHI).
- 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.
- Harvard Berkman Center Faculty Associate, 2014.
- Best Paper Award, CHI 2014 (ACM SIGCHI).
- “15 Women in Data to Follow”, Center for Data Innovation, 2014.
- Best Paper Nomination, CSCW 2013 (ACM SIGCHI).
- Best Paper Honorable Mention, CHI 2012 (ACM SIGCHI).
- Facebook Fellowship Finalist, 2010-2011.
- Facebook Grace Hopper Travel Award for Women in Computing, 2010.
- 6th IBM Watson Emergent Leaders in Multimedia, 2010.
- ACM Student Research Competition Finalist, ACM Hypertext & Social Media 2009.
- 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

- PI: National Science Foundation (NSF) (#1816403), *CHS: Small: Collaborative Research: Tools for Mental Health Reflection: Integrating Social Media with Human-Centered Machine Learning*. \$284,843 – Georgia Tech share (2018–2021).
- Co-PI: PI: National Science Foundation (NSF) (#1827700), *PFI-RP: A Multi-Disciplinary Approach to Detecting Adolescent Online Risks*. \$150,000 – Georgia Tech share (2018–2021).
- (Single) PI: Centers for Disease Control and Prevention (CDC), *Mental Health Machine Learning Algorithms for Integrating Social Media and Ensemble Data*. \$149,990 (2018–2019).
- 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; Georgia Tech share: \$759,906 (2017–2019).
- 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; Georgia Tech share: \$1,109,931 (2014–2019).
- (Single) 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 (2015-16).
- (Single) PI: Mozilla, unrestricted gift \$45,000.
- (Single) PI: Samsung, unrestricted gift \$30,000.
- (Single) PI: Yahoo! Labs, unrestricted gift \$22,500.
- (Single) PI: Facebook, unrestricted gift \$30,000.

## PUBLICATIONS

**Refereed Conference Proceedings**<sup>1</sup> (\*: Student Author; †: At Georgia Tech)

1. † 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, to appear. [16%]
2. † 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, to appear. [16%]
3. † 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.
4. † 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.
5. † **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**
6. † 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%]
7. † 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%]
8. † 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%]
9. † **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**
10. † **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%]
11. † 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%]
12. † 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.

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<sup>1</sup>Premiere conferences in computer science (e.g., CHI, CSCW, ICWSM, WWW) 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.

13. † 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.
14. † 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.
15. † **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**
16. † **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**
17. † 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%]
18. † 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%]
19. † 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%]
20. † Chancellor, S.\*, Pater, J.\*, Clear, T.\*, Gilbert, E., and **De Choudhury, M.** (2016). *#thyhgapp: 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**
21. † 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**
22. † **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%]
23. † 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.
24. † 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.
25. † 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.

26. † 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.
27. † **De Choudhury, M.**, and Massimi, M. (2015). “*She Said Yes!*” *Liminality and Engagement Announcements on Twitter*. In Proc. iConference 2015. [**36%**]  
**Best Paper Award**
28. † 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%**]
29. † **De Choudhury, M.** (2015). *Anorexia on Tumblr: A Characterization Study*. In Proc. DH’15: 5th ACM Digital Health Conference, in conjunction with WWW’15.
30. **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**
31. **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%**]
32. **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.
33. 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.
34. **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]
35. 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]
36. **De Choudhury, M.** (2014). *You’re #Happy, I’m #Happy: Diffusion of Mood Expressions on Twitter*. In Proc. HCI Korea: 2014 HCI Korea Conference.
37. **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]
38. **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.
39. **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.
40. **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.
41. **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**

42. **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.
43. 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.
44. **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]
45. 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**
46. **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.
47. **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%]
48. **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%]
49. **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]
50. **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%]
51. **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%]
52. **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]
53. **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%]
54. 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%]
55. **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%]
56. **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%]

57. **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%]
58. **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%]
59. **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

1. † 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, to appear. ACM TOCHI.
2. † 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, forthcoming. [Impact Factor 2.9]
3. † 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. To be presented at CSCW 2018. [27%]
4. † 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. To be presented at CSCW 2018. [27%]
5. † 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%]
6. † 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]
7. † 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]
8. † 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]
9. † 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]
10. 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]

11. 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**]
12. 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**]
13. **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

1. † **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.
2. † **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.
3. 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.
4. **De Choudhury, M.** (2012). *Understanding our Online Communication Processes*. In SIGWEB Newsl. Winter, Article 3 (January 2012), 4 pages.
5. **De Choudhury, M.** (2011). *Information Quality and Relevance in Large-Scale Social Information Systems*. In Handbook of Data Intensive Computing, 2011, Springer.
6. **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

1. † 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.
2. † 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).
3. † 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).
4. † 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.
5. † 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.



6. † 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.
7. † 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.
8. † Chancellor, S.\*, Deeb, J.\* and **De Choudhury, M.** (2015). *Network Analysis of Pro-Eating Disorder Instagram Communities*. In 2015 Atlanta Computational Social Science Workshop.
9. † 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.
10. † 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.
11. **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.
12. **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.
13. **De Choudhury, M.** (2010). *Discovery of Information Disseminators and Receptors on Online Social Media*. In Proc. HT 2010: ACM Conference on Hypertext and Hypermedia.
14. **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.
15. **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

1. † 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.
2. † 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.
3. † 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.
4. † 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).
5. † 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

1. † 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.
2. † 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.
3. † **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.
4. 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.
5. **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.
6. **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.
7. **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).
8. **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.
9. **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.

#### Refereed Presentations/Abstracts

1. † Birnbaum, M., **De Choudhury, M.**, Rizvi, A., Ernala, S.\*, Cecchi, G., and Kane, J. (2018). *Identifying Psychotic Symptoms and Predicting Relapse through Social Media Data*. In International Conference on Early Intervention in Mental Health (IEPA), 2018.
2. † Birnbaum, M., **De Choudhury, M.**, Rizvi, A., Ernala, S.\*, and Kane, J. (2018). *Identifying Psychotic Symptoms and Predicting Relapse through Social Media Data*. In Fourth Meeting on Patient Reported Outcomes and Person Centered Care in Mental Health - Symptoms of Mental Disorders: New Research, Treatments, Digital Health, American Association for the Advancement of Science (AAAS).
3. † 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.
4. † Ernala, S.\*, Rizvi, A., Birnbaum, M., Kane, J., and **De Choudhury, M.** (2018). *Using Social Media to Identify Risk Markers and Predict Relapse in Schizophrenia*. In 2018 Social Media and Health Workshop, colocated with International Conference on Web and Social Media (ICWSM 2018).
5. † **De Choudhury, M.** and Kiciman, E. (2018). *Integrating Online and Offline Data in Complex, Sensitive Problem Domains: Experiences from Mental Health*. In 2018 Social Media and Health Workshop, colocated with International Conference on Web and Social Media (ICWSM 2018).

6. † Saha, K.\*, Weber, I., Birnbaum, M., and **De Choudhury, M.** (2017). *Characterizing Awareness of Schizophrenia among Facebook Users By Leveraging Facebook Advertisement Estimates*. In 2017 CHI Mental Health Workshop.
7. † **De Choudhury, M.** (2015). *Measuring Wellbeing States from Online Social Media*. In AAAS Annual Meeting 2015.
8. † **De Choudhury, M.** (2015). *Harnessing Social Media for Mental Well-being of College Populations*. In NSF Workshop on Future Technology to Preserve College Student Health and Foster Wellbeing, Northwestern University, Chicago, July 30-31, 2015.
9. **De Choudhury, M.**, and Counts, S. (2012). *The Nature of Emotional Expression in Social Media: Measurement, Inference, and Utility*. In 2012 Human Computer Interaction Consortium (HCIC) Meeting.
10. **De Choudhury, M.** and Sundaram, H. (2010). *How “Birds of a Feather Flock Together” on Online Social Spaces*. 2010 Grace Hopper Celebration of Women in Computing.
11. **De Choudhury, M.**, John, A., Seligmann, D. D. and Sundaram, H. (2009). *Which are the Representative Groups in a Community? Extracting and Characterizing Key Groups in Blogs*. ACM Student Research Competition, HyperText 2009.
12. **De Choudhury, M.**, Sundaram, H., John, A., and Seligmann, D. D. (2008). *Modeling Information Roles for Understanding Stock Market Dynamics*. 8th Grace Hopper Celebration of Women in Computing.

### Theses

1. **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.
2. **De Choudhury, M.** (2005). *Pattern Recognition of Geographic Structures in Satellite Imagery*. B.Tech Thesis, National Institute of Technology, Bhopal, India.

### PATENTS

1. 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.
2. 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.
3. **De Choudhury, M.**, Gamon, M., and Counts, S. (2013) *Classification of Affective States in Social Media*. US Patent App. 13/918,709.
4. 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; Enrollment: 25-40 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) [Undergraduate]: Spring 2017; Spring 2018; Enrollment: 40-50 students

**Arizona State University (Teaching Assistant)**

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

- KEYNOTE TALKS
- 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
- *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
- 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.
  - 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)

**Chair/Steering Committee:**

EXTERNAL SERVICE

- *Steering Committee Member*, Intl. Conference on Weblogs & Social Media: 2015-19 (ICWSM)
- *Program Co-chair*, International Conference on Weblogs & Social Media: 2014 (ICWSM)
- *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:**

- Founding Editorial Board Member, MDPI Future Internet (2018–)
- Editorial Board, Springer EPJ Data Science (2018–)
- Editorial Board, Springer Human Computer Interaction Series (2017–)
- ACM TKDD Special Issue: Connected Health at Big Data Era (2014)

**Organizer:**

- ICWSM Workshop/AAAI Spring Symposium on “Observational studies through social media and other human-generated content”: 2016, 2017
- BigCHat: KDD Workshop on Connected Health at Big Data Era: 2014, 2015
- First Workshop on Social Computing for Workforce 2.0: 2013

**Program Committee Member/Senior Program Committee Member:**

- ACM Conf. on Human Factors in Computing Systems (CHI): 2015-19
- ACM Conf. on Computer Supported Cooperative Work and Social Computing (CSCW): 2018
- ACM Conference on Web Search and Data Mining (WSDM): 2012, 2014-2016
- International World Wide Web Conference (WWW): 2012, 2014-18
- 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
- *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

#### Session Chair:

- ACM Conference on Human Factors in Computing Systems (CHI), 2016, 2017, 2018
- ACM Computer Supported Cooperative Work and Social Computing (CSCW), 2017
- Intl. World Wide Web Conference (WWW): 2014
- AAAI Intl. Conference on Weblogs and Social Media (ICWSM): 2012-14, 2018
- ACM Conference on Hypertext and Social Media (HT): 2012, 2015

#### INTERNAL SERVICE

- Area Leader of Social Computing, Georgia Tech (2017—present)
- Faculty Hiring Committee, Georgia Tech (2015, 2016, 2017)
- PhD Qualifier Committee, Georgia Tech (2016)
- Microsoft Research PhD Fellowship Review Committee (2013)
- HCI Summer Intern Work-in-Progress Org. Committee, Microsoft Research (2012)
- CSE Graduate Student Forum, Arizona State University (2008–2011)
- Women in Computer Science, Arizona State University (2008-2011)

#### ADVISING AND MENTORING

##### PhD Students Advised/Co-Advised:

- Stevie Chancellor, PhD Human Centered Computing, Fall 2014—present
- Koustuv Saha, PhD Computer Science, Fall 2016—present
- Sindhu Kiranmai Ernala, PhD Computer Science, Fall 2016—present
- Dong Whi Yoo, PhD Human Centered Computing, Co-Advisor: Gregory Abowd, Fall 2018—
- Vedant Das Swain, PhD Computer Science, Co-Advisor: Gregory Abowd, Fall 2018—

##### PhD Proposal/Dissertation Committee:

- Unaiza Ahsan, PhD Computer Science, Fall 2013—present
- Umashanthi Pavalanathan, PhD Computer Science, Fall 2013—Fall 2018
- C. J. Hutto, PhD Human Centered Computing, Fall 2012—Summer 2018
- Chaya Hiruncharoenvate, PhD Computer Science, Fall 2012—Spring 2017

- Acar Tamersoy, PhD Computer Science, Fall 2012—Spring 2016
- Saeideh Bakhshi, PhD Computer Science, Fall 2009—Spring 2014
- Lydia Manikonda, PhD Computer Science (Arizona State University), Fall 2014—present

**MS Students Advised/Mentored:**

- 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—present
- Jennifer Ma, MS Computer Science, Fall 2017—present
- 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—present
- 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
- Amol Parikh, MS Computer Science, Fall 2014—Spring 2016

**Undergraduate Students Advised/Mentored:**

- Sang-Chan Kim, BS Computer Science, Spring 2017—present
- Tahirah Ahmad, BS Computer Science, Summer 2018
- Michael Lin, BS Computer Science, Fall 2017
- Francisco Zampieri, BS Computer Science, Fall 2017—Spring 2018
- Shrey Bagroy, B.Tech Computer Science (IIIT-Delhi), Summer 2016
- Zhiyuan (Jerry) Lin, BS Computer Science, Spring 2015—Spring 2016

SELECTED PRESS

- *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](#)).
- 2010-06-15: “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](#)).