

Mike A. Merrill

PHD STUDENT · PAUL G. ALLEN SCHOOL OF COMPUTER SCIENCE AND ENGINEERING

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Education

University of Washington

PHD COMPUTER SCIENCE

- Advisor: Tim Althoff

Seattle, WA

September 2019 - present

Cornell University

BS INFORMATION SCIENCE

- Magna Cum Laude
- Undergrad Research Advisor: Tanzeem Choudhury

Ithaca, NY

August 2013 - May 2017

Research Experience

2016-2019 **Data Scientist**, Health Rhythms

2015-2017 **Undergraduate Research Assistant**, Cornell University, Advised by Tanzeem Choudhury

2015 **Undergraduate Research Assistant**, Carnegie Mellon University, Advised by Anind Dey

Publications

PUBLISHED

- Dror Ben-Zeev, Rachel Brian, Rui Wang, Weichen Wang, Andrew T. Campbell, Min S. H. Aung, **Michael Merrill**, Vincent W. S. Tseng, Tanzeem Choudhury, Marta Hauser, John M. Kane, and Emily A. Scherer. Cross-Check: Integrating self-report, behavioral sensing, and smartphone use to identify digital indicators of psychotic relapse. *Psychiatric Rehabilitation Journal*, 2017
- Rui Wang, Min S. H. Aung, Saeed Abdullah, Rachel Brian, Andrew T. Campbell, Tanzeem Choudhury, Marta Hauser, John Kane, **Michael Merrill**, Emily A. Scherer, Vincent W. S. Tseng, and Dror Ben-Zeev. CrossCheck: toward passive sensing and detection of mental health changes in people with schizophrenia. In *UbiComp*. ACM, September 2016
- Vincent W. S. Tseng, **Michael Merrill**, Franziska Wittleder, Saeed Abdullah, Min Hane Aung, and Tanzeem Choudhury. Assessing mental health issues on college campuses: Preliminary findings from a pilot study. In *UbiComp workshop on Mental Health and Well-being: Sensing and Intervention*, 2016

IN REVIEW

- **Mike A. Merrill**, Ge Zhang, and Tim Althoff. Mining collective data science knowledge from code on the web to suggest alternative data analysis approaches. In *WWW*, 2020
- Ge Zhang, **Mike A. Merrill**, Yang Liu, Jeffrey Heer, and Tim Althoff. Coral: Code representation learning with weakly-supervised transformers for analyzing data analysis, 2020

IN PREP

- Momin M. Malik, Afsaneh Doryab, **Michael Merrill**, Jürgen Pfeffer, and Anind K. Dey. Can Smartphone Co-locations Detect Friendship? It Depends How You Model It, 2020

POSTERS

- Ellen Frank, **Michael Merrill**, Hane Aung, Claudio Soares, Sidney Kennedy, Mark Matthews, David Kupfer, Aleksandra Lalovic, and Tanzeem Choudhury. Sensing depression: Using smartphone sensors to predict changes in depression severity, 2017
- Ellen Frank, **Michael Merrill**, Hane Aung, Claudio Soares, Sidney Kennedy, Mark Matthews, David Kupfer, Aleksandra Lalovic, and Tanzeem Choudhury. Continuous behavioral data as a potential depression biomarker, 2016

Awards, Fellowships, & Grants

2019	Corin Anderson Endowed Fellowship , UW CSE	\$ 20,000
2017	Excellence in Research , Cornell University Department of Information Science	
2014	Big Red Idea , CU Tonight	\$ 1,000
	Pitch Festival Finalist Travel Grant , RECESS	\$ 1,000

Presentations

- Spring 2018 **MassChallenge HealthTech Finale**, Boston, MA
 Fall 2017 **Results International “AI and Analytics in Healthcare” Panel**, New York, NY

Teaching Experience

- Fall 2020 **CSE 481DS: Data Science Capstone**, Head TA

Mentorship

- 2019-2020 **Ge Zhang**, Peking University

Outreach & Professional Development

SERVICE AND OUTREACH

- 2020 **Graduate Liaison**, Faculty Recruitment Committee
Reader, UW CSE Pre-Application Review Service
CSE Prospective Students Committee, Grad Student Panel Coordinator