

Jim Maddock

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EDUCATION

Northwestern University, Evanston IL *2015 - present*

Technology and Social Behavior (PhD in Computer Science and Communications)

Dissertation: Socio-technical Systems for Identifying Latent Knowledge Gaps, *supported by the Wikimedia Foundation*

Committee: Darren Gergle (Northwestern University), Aaron Shaw (Northwestern University) Aaron Halfaker (Wikimedia Foundation), Ed Cutrell (Microsoft Research)

University of Washington, Seattle WA *2010 - 2014*

Human Centered Design and Engineering (BS), History (BA)

PROFESSIONAL EXPERIENCE

Graduate Researcher and Instructor, Northwestern University *September 2015 - present*

Investigate collaboration in large online communities, such as Wikipedia, Twitter, Reddit, and the Zooniverse, using mixed methods techniques.

Research Intern, Mozilla *June - September 2019*

Designed and conducted qualitative and quantitative studies for the Mozilla Emerging Technologies Team. Studied voice interaction.

User Experience Research Intern, Google *June - September 2018*

Conducted foundational and evaluative user research for the Google Maps and Google Assistant teams. Ran usability studies, co-design studies, diary studies, and conducted field work.

Research Intern, Microsoft Research India *May - August 2015*

Used machine learning techniques to detect and analyze multilingual text. Developed applications using Java and Python for collecting, processing, and analyzing social media data.

Researcher and Teaching Assistant, University of Washington *August 2013 - March 2015*

Explored the spread of misinformation on Twitter in crisis situations. Maintained SQL and Mongo databases. Wrote Python scripts and created data visualizations with Tableau. Developed research tools using Google AppEngine. Taught Information Visualization and Social Media and Data Mining.

Software Engineering Intern, Earth Economics *April - August 2013*

Developed and tested back-end Ruby on Rails infrastructure. Designed and implemented front end web-app interface. Worked in agile development environment.

FELLOWSHIPS, GRANTS, AND AWARDS

NSF Graduate Research Fellowship Program *2017 - 2020*

Pre-Doctoral Ford Fellowship Honorable Mention *2017, 2016*

NSF Graduate Research Fellowship Program Honorable Mention *2016*

HCDE Research Scholarship, Capstone Design Award, Mary Gates Research Scholar *2014*

Sleizer Scholar History Award, Power History Prize *2014, 2013*

TECHNICAL SKILLS

Programming, Frameworks

Python, Java, Google App Engine, Django

Statistical Analysis

R, STATA

Data Management

SQL, Mongo

Research Methods

Log Analysis, Survey Design, Interviews, Usability Studies, Field Studies, Diary Studies