

JIM MADDOCK
Technology and Social Behavior
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Education

Northwestern University, Evanston IL (2015 — present)

PhD Student, Technology and Social Behavior (joint Degree in Computer Science and Communications)

University of Washington, Seattle WA (2010 – 2014)

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

Research Interests

Human-Computer Interaction (HCI); Computer-Supported Cooperative Work (CSCW); Crisis Informatics; Social Media; Peer Production; Crowdsourcing; Information and Communication Technology for Development (ICTD); Data Science for Social Good (DSSG)

Research Honors and Awards

Conference Awards

- Best Note Award: Best Note, iConference 2013:
Rumors, False Flags, and Digital Vigilantes: Misinformation on Twitter after the 2013 Boston Marathon Bombing

Academic Awards

- *HCDE Research Scholarship (2014)*
- *Capstone Design Award (2014)*
- *Mary Gates Research Scholar (2014)*
- *Sleizer Scholar History Award (2014, 2013)*
- *Power History Prize (2013)*
- *Dean 's List (2014-2012)*

Publications and Posters

Conference Publications, Reviewed in Full

Starbird, K., Spiro, E., Edwards, I., Zhou, K., **Maddock, J.**, and Narashimhan, S. (2016). Could this be true? I think so! Expressed Uncertainty in Online Rumoring. Accepted to *2016 SIGCHI conference on human factors in computing systems (CHI 2016)*. ACM.

Robinson, J., **Maddock, J.**, Starbird, K. (2015) Examining the Role of Human and Technical Infrastructure in Improvisation during Emergency Response. *2015 Information Systems for Crisis Response and Management Conference (ISCRAM 2015)*, Kristiansand, Norway.

Maddock, J., Starbird, K., Al-Hassani, H., Sandoval, D., Orand, M., & Mason, R.M. (2015). Characterizing Online Rumoring Behavior Using Multi-Dimensional Signatures. *CSCW 2015*, Vancouver, Canada.

Starbird, K., **Maddock, J.,** Orand, M., Achterman, P., & Mason, R.M. (2014). Rumors, False Flags, and Digital Vigilantes: Misinformation on Twitter after the 2013 Boston Marathon Bombing. *iConference 2014*, Berlin, Germany. (Best Note award)

Poster, Workshops, and Non-Archival Publications

Maddock, J., Gergle, D., and Starbird, K. (2016). Two is Better than One: A Mixed Methods Approach to Human Centered-Data Science. Workshop on Human Centered Data Science at *Conference on Computer Supported Cooperative Work (CSCW 2016)*, San Francisco, CA.

Walls, L., **Maddock, J.,** Starbird, K., and Spiro E. (2015). What Should Count?: A Quantitative Approach to Scoping Rumors in Social Media. *Social Media & Society Conference 2015*, Toronto, Ontario, Canada

Starbird, K., Emma, S., Ahmer, A., Fang-Ju C., Narisimhan, S., **Maddock, J.** Shanahan K., and Robinson, J. (2015). Expressed Uncertainty and Denials as Signals of Online Rumoring. *Collective Intelligence 2015*, San Francisco, CA.

Maddock, J., Starbird, K. (2015). Using Historical Twitter Data for Research: Ethical Challenges of Tweet Deletions. Presented at CSCW '15 Workshop on Ethics at the *2015 Conference on Computer Supported Cooperative Work (CSCW 2015)*, Vancouver, Canada.

Maddock, J. (2014). Characterizing Online Rumoring Behavior: Multi-Dimensional Signatures. Poster presented at *2014 University of Washington Human Computer Interaction and Design Retreat*, Seattle, WA.

Maddock, J. (2014). Misinformation on Twitter after the 2013 Boston Marathon Bombing: Qualitative and Quantitative Signature Analysis. Poster presented at *2013 University of Washington Undergraduate Research Symposium*, Seattle, WA.

Maddock, J. (2014). Misinformation on Twitter after the 2013 Boston Marathon Bombing. Poster presented at *2013 University of Washington Human Computer Interaction and Design Retreat*, Seattle, WA.

Munson, S., Chung, C., **Maddock, J.** (2013). Swellness: Social Software for Wellness. Poster presented at *2012 University of Washington Human Computer Interaction and Design Retreat*, Seattle, WA.

Select Mentions of Research in Popular News Media

Hendersen, J. April 15, 2014. "Twitter Lessons from the Boston Marathon Bombings." KUOW (NPR affiliate) Radio Interview. <http://kuow.org/post/twitter-lessons-boston-marathon-bombings#.U01rVzu0q4M.twitter>

Ma, M. March 18, 2014. "Much misinformation tweeted after 2013 Boston Marathon bombing." ScienceDaily. <http://www.sciencedaily.com/releases/2014/03/140318124702.htm>

Soper, T. March 18, 2014. "Researchers look to flag false rumors on Twitter during breaking news events," GeekWire. <http://www.geekwire.com/2014/boston-marathon-twitter-error-researchers/>

Professional Experience

Graduate Researcher, Northwestern University, Evanston – (September 2015 – present)

Investigate collaboration dynamics in online communities across different languages. Using mixed method techniques including network analysis, natural language processing and quantitative coding.

Research Intern, Microsoft Research India, Bangalore India – (May – August 2015)

Used a combination of natural language processing and machine learning techniques to detect and analyze multilingual text, or linguistic code mixing. Developed applications using Java and Python for collecting, processing, and analyzing social media data

HCDE Researcher, emCOMP, SoMe, and LISTS Labs, University of Washington, Seattle – (August 2013 – March 2015)

Explored the spread of misinformation on Twitter in crisis situations. Maintained dataset using relational (MySQL) and non-relational (MongoDB) databases. Programed Python scripts and created data visualizations with Tableau. Developed tools for Twitter data collection and storage using Python, Django, and RabbitMQ. Contributed to research team’s written publications and present research. Developed Python web applications using Google AppEngine.

Teaching Assistant, University of Washington, Seattle – (September – March 2014)

Taught Information Visualization and Social Media and Data Mining. Graded quizzes, labs, and projects; provided feedback and tutoring to students. Configured Development Environments in Windows and Unix. Explored technologies for course additions (R, MongoDB).

Software Engineering Intern, Earth Economics, Tacoma – (April – August 2013)

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

Communications Intern, Evergreen Mountain Bike Alliance, Seattle – (April – October 2013)

Wrote and formatted promotions and newsletters. Managed and updated web content and social media.

References

Darren Gergle

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Kate Starbird

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David McDonald

Chair, Human Centered Design and Engineering
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