

Andrew Hall

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Education

Ph.D. (in progress), Computer Science, University of Minnesota, 2014-present, GPA: 3.889.

Ph.D. Advisor: Loren Terveen

M.S., Computer Science, University of Minnesota, 2014-2016, GPA: 3.87.

B.S., Computer Science with Mathematics Minor, University of Minnesota, 2010-2014, GPA: 3.95.

Non-degree Student, Minnesota State University-Mankato, 2008-2010, GPA: 4.0.

Research Interests

Human-Computer Interaction, Crowd-sourcing, Peer-Production, Volunteered Geographic Information, Social Computing

Publications

Peer-Reviewed Conference Proceedings

Andrew Hall, Loren Terveen, Aaron Halfaker. Bot Detection in Wikidata Using Behavioral and Other Informal Cues. *CSCW '18 Proceedings of the 2018 Conference on Computer-Supported Cooperative Work and Social Computing*.

Andrew Hall, Jacob Thebault-Spieker, Shilad Sen, Brent Hecht, Loren Terveen. Exploring the Relationship between "Informal Standards" and Contributor Practice in OpenStreetMap. *OpenSym 2018*.

Andrew Hall, Sarah McRoberts, Jacob Thebault-Spieker, Allen Yilun Lin, Shilad Sen, Brent Hecht, Loren Terveen. Freedom versus Standardization: Structured Data Generation in a Peer Production Community. *CHI '17 Proceedings of the 2017 CHI Conference on Human Factors in Computing Systems*.

Sarah McRoberts, Haiwei Ma, **Andrew Hall**, Svetlana Yarosh. Share First, Save Later: Performance of Self through Snapchat Stories. *CHI '17 Proceedings of the 2017 CHI Conference on Human Factors in Computing Systems*.

Yilun Lin, Bowen Yu, **Andrew Hall**, Brent Hecht. Problematizing and Addressing the Article-as-Concept Assumption in Wikipedia. *CSCW '17 Proceedings of the 20th ACM Conference on Computer Supported Cooperative Work & Social Computing*.

Isaac L. Johnson, Yilun Lin, Toby Jia-Jun Li, **Andrew Hall**, Aaron Halfaker, Johannes Schöning, Brent Hecht. Not at Home on the Range: Peer Production and the Urban/Rural Divide. *CHI '16 Proceedings of the 2016 CHI Conference on Human Factors in Computing Systems*.

Relevant Employment

University of Minnesota, Research Assistant, 2014-present (not employed as research assistant while a teaching assistant, although research still performed).

I've lead or helped on a number of projects studying peer-production/crowd-sourcing systems including Wikipedia, Wikidata and OpenStreetMap. I've gained both quantitative and qualitative research experience while performing these studies.

Google, User Experience Research Intern, summer 2018.

Advisors/Managers: Patti Bao and Ben Drury

Performed broad literature review seeking to better understand how people interpret and understand maps across different demographics. Then performed usability/interview study to better understand the relationship that young people have with digital maps and digital mapping applications.

Wikimedia Foundation, Research Intern, summer 2017.

Advisor: Aaron Halfaker

Performed research project analyzing the potential value structured content in Wikidata can provide to downstream applications.

Intel Corporation, Technical Intern, 2012-2014 (each summer).

My roles as an intern varied from being an application developer to a systems programmer including code and test development. Additionally, this experience included an independent research project to develop an algorithm to help identify efficient resource configurations.

University of Minnesota, Undergraduate Research Assistant (spring 2013)/NSF REU Fellow (fall 2013) at the Minnesota Extensible Language Tools Group at the University of Minnesota.

Developed techniques for parsing layout-sensitive languages (i.e. Python), using declarative, LALR(1) grammars. Work presented at a workshop at SPLASH and at the University of Minnesota CS Open House and Tech Forum.

Teaching Experience

University of Minnesota, Teaching Assistant, CSCI 5115 User Interface Design, 2016, 2017, 2018 (fall semesters).

Course project involved mobile application development. Met with students throughout the semester to assist in this process and help teach user interface design principles. Graded for the course project.

University of Minnesota, Teaching Assistant, CSCI 5125 Collaborative and Social Computing, 2018 (spring semester).

Course introduced collaborative and social computing research through 4 large assignments, paper readings, and in-class discussion. Primarily helped assist with the course assignments and their grading.

University of Minnesota, Teaching Assistant, CSCI 3081W Program Design and Development, 2014 (fall semester).

Taught two weekly, recitation sections. Held 2+ hours of office hours each week. Graded labs, homework, and exams.

Relevant Honors and Awards

Student Volunteer at the 2017 ACM Conference on Computer Supported Cooperative Work & Social Computing.

University of Minnesota, Member of the College of Science and Engineering Dean's List, fall 2010-spring 2013.

Invited Talks

Wikimedia Foundation Research Showcase, July 2017

Video: <https://www.youtube.com/watch?v=yC1jgK8C8aQ>

Presented the results of research investigating the relationship between contributor freedom and peer produced structured data standardization.

Relevant Coursework Taken

Human-Computer Interaction and User Interface Technology, 2015

Course focusing on research methods employed in HCI and social computing research. Three projects during the semester provided experience in quantitative and qualitative research methods.

Collaborative and Social Computing, 2015.

Reading-intensive course where influential papers in the field of HCI and social computing were read and discussed. Common research methods used were also discussed and employed in a project at the end of the semester.

User Interface Design, Implementation and Evaluation, 2012.

Learned about user/activity centered designs, paper prototyping, evaluation methods and performed a semester-long Android app development project.

Also have taken a number of other graduate-level courses including: Directed Research, Software Engineering I, Programming Languages, Cryptology, Introduction to Data Mining, Introduction to Research in Computer Science I and II, Database Management Systems, Introductory Statistical Methods, Applied Regression Analysis, Advanced Algorithms and Data Structures, Spatial Computing.