

Erin Brady

Ph.D. Candidate, Computer Science, University of Rochester

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Education

University of Rochester: Rochester, NY

Advisor: Jeffrey Bigham

Ph.D. Candidate, Computer Science, Spring 2015 (expected)

University of Richmond: Richmond, VA

Advisor: Kelly Shaw

B.S. in Computer Science, B.S. in Mathematics, May 2010 (magna cum laude)

Publications

Full Papers

- Aditya Vashistha, **Erin Brady**, William Thies & Edward Cutrell. "Educational Content Creation and Sharing by Low-Income Visually Impaired People in India." *Proceedings of the 2014 ACM Symposium on Computing for Development (DEV)*.
- **Erin Brady** & Jeffrey P. Bigham. "How Companies Engage Customers Around Accessibility on Social Media." *Proceedings of the 2014 ACM Conference on Computers & Accessibility (ASSETS)*.
- **Erin Brady**, Meredith Ringel Morris, Yu Zhong, Samuel C. White & Jeffrey P. Bigham. "Visual Challenges in the Everyday Lives of Blind People." *Proceedings of the 2013 ACM SIGCHI Conference on Human Factors in Computing Systems (CHI)*.
- Walter S. Lasecki, Phyo Thiha, Yu Zhong, **Erin Brady** & Jeffrey P. Bigham. "Answering Visual Questions with Conversational Crowd Assistants." *Proceedings of the 2013 ACM Conference on Computers and Accessibility (ASSETS)*.
- **Erin Brady**, Yu Zhong, Meredith Ringel Morris & Jeffrey P. Bigham. "Investigating the Appropriateness of Social Network Question Asking as a Resource for Blind Users." *Proceedings of the 2013 ACM Conference on Computer Supported Cooperative Work and Social Computing (CSCW)*.
- Michele A. Burton, **Erin Brady**, Robin Brewer, Callie Neylan, Jeffrey P. Bigham & Amy Hurst. "Crowdsourcing Subjective Fashion Advice Using VizWiz: Challenges and Opportunities." *Proceedings of the 2012 ACM Conference on Computers & Accessibility (ASSETS)*.

Other Publications

- **Erin Brady**, Meredith Ringel Morris & Jeffrey P. Bigham. "Social Microvolunteering: Donating Access to your Friends for Charitable Microwork.", *HCOMP 2014 Citizen + X*, workshop paper.
- **Erin Brady**, Meredith Ringel Morris & Jeffrey P. Bigham. "Friendsourcing for the Greater Good: Perceptions of Social Microvolunteering." *HCOMP 2014*, work-in-progress.
- **Erin Brady**, William Thies & Edward Cutrell. "No access, no knowledge, or no interest? Examining use and non-use of assistive technologies." *CHI 2014 Technology Non-use*, workshop paper.
- **Erin Brady**. "Unique Considerations in Social Network Question Asking by Blind Users." *CSCW 2013 Workshop on Social Media Question Asking*, workshop paper.
- **Erin Brady**. "Analyzing Visual Questions for Visually Impaired Users." *ASSETS 2011*, poster.
- Jeffrey P. Bigham, **Erin Brady** & Samuel C. White. "Human-Backed Access Technology." *CHI 2011 Workshop on Crowdsourcing & Human Computation*, workshop paper.

Research Experience

Microsoft Research India (MSRI), Bangalore, India Fall 2013

- Conducted 30+ interviews with blind people in India to learn about assistive technology use
- Explored participants' use and interest in mobile education and entertainment solutions
- Analyzed the interview results and had a paper accepted to a CHI 2014 workshop

University of Rochester, Human-Computer Interaction (ROC HCI) Summer 2010 - current
VizWiz Social – a nearly real-time crowdsourced mobile question answering service for blind users

- Developed server to host and answer 60,000+ questions from over 6,00 blind users
- Surveyed 191 blind internet users about their question-asking habits
- Explored blind users' trust of answers from crowdsourcing and their social networks

University of Richmond, Computer Science Department Fall 2009
Computer Science Apprenticeship

University of Southern California, Information Sciences Institute Summer 2009
Distributed Research Experiences for Undergraduates (DREU) Participant

Professional, Service, and Teaching Experience

Organizing Committee Member

Student Volunteer Chair, ASSETS Fall 2014
Student Volunteer Co-Chair, CSCW Spring 2015

Google People Technology Operations PhD Intern Summer 2013
Performed an accessibility evaluation of the Garage product, resolved accessibility bugs in production code, and conducted accessibility trainings for team members.

University of Rochester Teaching Assistant

Human Computer Interaction (CSC 212/412) Fall 2011, Fall 2012
The Science of Data Structures (CSC 172) Spring 2011

Digital Jam 2.0 Speaker

Summer 2012
The Importance of Workers in the Virtual Economy". sponsored by the World Bank and the Jamaican Ministry of Youth, Sports, and Culture, in Kingston, Jamaica.

National Federation of the Blind Youth Slam Instructor

Summer 2011
Developed and taught a week-long course on computer science and Javascript for blind teenagers

Honors

- Provost's Fellowship, Rochester, 2010 – covers three years of graduate stipend
- Computer Science Prize, Richmond, 2010 – awarded to the outstanding 2010 graduate
- Clare Boothe Luce Scholarship, Richmond, 2008 – awarded two years of tuition