

Erin Brady

Indiana University – Purdue University Indianapolis
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Academic Positions

Assistant Professor Fall 2015 - current
Department of Human-Centered Computing, School of Informatics and Computing
Indiana University – Purdue University Indianapolis

Post-Doctoral Fellow Summer 2015
Human Computer Interaction Institute
Carnegie Mellon University

Education

University of Rochester: Rochester, NY *Advisor: Jeffrey Bigham*
Ph.D., Computer Science Spring 2015
M.Sc., Computer Science Fall 2011

University of Richmond: Richmond, VA *Advisor: Kelly Shaw*
B.S. in Computer Science, B.S. in Mathematics (magna cum laude) May 2010

Research Experience

Human Computer Interaction Institute, Carnegie Mellon University Fall 2013 – Spring 2015
Visiting PhD Researcher

University of Rochester, Human-Computer Interaction (ROC HCI) Summer 2010 – Spring 2015
Graduate Research Assistant

Microsoft Research India (MSRI), Bangalore, India Fall 2013
PhD Intern for Technologies for Emerging Markets group

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

Long-term Undergraduate Research Experience (LURE) Summer 2008
Undergraduate Research Assistant

Professional Experience

Google, Mountain View, CA Summer 2013
PhD Intern for People Technology Operations

Refereed Conference Papers

- [P1] **Erin Brady**, Yu Zhong, and Jeffrey P. Bigham. "Creating Accessible Research Papers." *Proceedings of the 2015 Web for All Conference (W4A) communication track*. Florence, Italy
- [P2] **Erin Brady**, Meredith Ringel Morris, and Jeffrey P. Bigham. "Gauging Receptiveness to Social Microvolunteering." *Proceedings of the 2015 ACM SIGCHI Conference on Human Factors in Computing Systems (CHI)*. Seoul, Korea.
- [P3] Yu Zhong, Walter S. Lasecki, **Erin Brady**, and Jeffrey P. Bigham. "RegionSpeak: Quick Comprehensive Spatial Descriptions of Complex Images for Blind Users." *Proceedings of the 2015 ACM SIGCHI Conference on Human Factors in Computing Systems (CHI)*. Seoul, Korea.
- [P4] Aditya Vashistha, **Erin Brady**, William Thies and 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)*. San Jose, CA.
- [P5] **Erin Brady** and Jeffrey P. Bigham. "How Companies Engage Customers Around Accessibility on Social Media." *Proceedings of the 2014 ACM Conference on Computers & Accessibility (ASSETS)*.
- [P6] **Erin Brady**, Meredith Ringel Morris, Yu Zhong, Samuel C. White and 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)*. Paris, France.
- [P7] Walter S. Lasecki, Phyo Thiha, Yu Zhong, **Erin Brady** and Jeffrey P. Bigham. "Answering Visual Questions with Conversational Crowd Assistants." *Proceedings of the 2013 ACM Conference on Computers and Accessibility (ASSETS)*. Bellevue, WA.
- [P8] **Erin Brady**, Yu Zhong, Meredith Ringel Morris and 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)*. San Antonio, TX.
- [P9] Michele A. Williams, **Erin Brady**, Robin Brewer, Callie Neylan, Jeffrey P. Bigham and Amy Hurst. "Crowdsourcing Subjective Fashion Advice Using VizWiz: Challenges and Opportunities." *Proceedings of the 2012 ACM Conference on Computers & Accessibility (ASSETS)*. Boulder, CO.

Refereed Journal Publications

- [J1] **Erin Brady** and Jeffrey P. Bigham. "Crowdsourcing Accessibility: Human-Powered Access Technology." Submitted to *Foundations and Trends in HCI*, expected publication in 2015.

Workshops

- [W1] **Erin Brady**, Meredith Ringel Morris and Jeffrey P. Bigham. "Social Microvolunteering: Donating Access to your Friends for Charitable Microwork." *HCOMP 2014 Workshop Citizen+X*.
- [W2] **Erin Brady**, William Thies and Edward Cutrell. "No access, no knowledge, or no interest? Examining use and non-use of assistive technologies." *CHI 2014 Workshop on Technology Non-use: Refusing, Limiting, Departing*.
- [W3] **Erin Brady**. "Unique Considerations in Social Network Question Asking by Blind Users." *CSCW 2013 Workshop on Social Media Question Asking*.
- [W4] Jeffrey P. Bigham, **Erin Brady** and Samuel C. White. "Human-Backed Access Technology." *CHI 2011 Workshop on Crowdsourcing & Human Computation*.

Other Publications

Non-Archival Papers

- [O1] **Erin Brady**. Getting Fast, Free, and Anonymous Answers to Questions Asked by People with Visual Impairments. *Published in the SIGACCESS Newsletter Issue #112, June 2015.*
- [O2] Joseph Bayer, Nicole Ellison, Sarita Yardi Schoenebeck, **Erin Brady**, and Emily Falk. "Facebook in Context: Social Capital and Mood across Time and Space." *Presented at the 2015 International Communication Association Annual Conference (ICA).*

Works-in-Progress, Doctoral Consortium, and Posters

- [P1] **Erin Brady**, Daisuke Sato, Chengxiong Ruan, Hironobu Takagi and Chieko Asakawa. "Exploring Interface Design for Independent Navigation by People with Visual Impairments." *ASSETS 2015, poster.*
- [P2] **Erin Brady**. Using Social Microvolunteering to Answer Visual Questions from Blind Users. *2014 SIGACCESS Doctoral Consortium, published in the January 2015 SIGACCESS Newsletter.*
- [P3] **Erin Brady**, Meredith Ringel Morris and Jeffrey P. Bigham. "Friendsourcing for the Greater Good: Perceptions of Social Microvolunteering." *HCOMP 2014, work-in-progress.*
- [P4] **Erin Brady**. "Analyzing Visual Questions for Visually Impaired Users." *ASSETS 2011, poster.*

Service and Outreach

Organizing Committee Member

Student Volunteer Chair ASSETS 2014
Student Volunteer Co-Chair CSCW 2015

Program Committee Member: WWW 2016, ASSETS 2015, W4A 2015, C&C Posters 2015

CSCW 2014 PC Meeting Mentee (http://cscw.acm.org/2014/participation_papers.html#PCMentor)

Student Volunteer: SC 2010, CSCW 2013, CHI 2013, CSCW 2014, CHI 2014, CHI 2015 (accepted)

Reviewer:

CSCW 2016 (papers)
CHI 2015 (papers & notes, case studies)
CSCW 2015 (papers)
CHI 2014 (papers & notes, alt.chi)
CHI 2013 (papers, notes, & interactivity)

Digital Jam 2.0 Speaker, Kingston, Jamaica

The Importance of Workers in the Virtual Economy

Sponsored by the World Bank and the Jamaican Ministry of Youth, Sports, and Culture

Summer 2012

Faculty Advisor: Women in Technology (WiT), IUPUI

Fall 2015

Co-Creator: WIMS (Women in Math and Science), University of Richmond

Fall 2008

Teaching Experience

Instructor

Collaborative and Social Computing (IUPUI, INFO-H565)

Fall 2015

Teaching Assistant

Social Web (Carnegie Mellon, 05-320 / 05-820),

Fall 2014

Human Computer Interaction (Rochester, CSC 212/412)

Fall 2011 and Fall 2012

The Science of Data Structures (Rochester, CSC 172)

Spring 2011

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: awarded first, second, and fifth years of graduate stipend
- Computer Science Prize, Richmond: named the outstanding 2010 graduate
- Clare Boothe Luce Scholarship, Richmond: awarded two full years of tuition