

Katya Borgos-Rodriguez

katya.borgos@gmail.com

katyaborgos.com

Education

Ph.D. in Technology and Social Behavior

2017 – 2022

Northwestern University, Evanston, IL

Dissertation: *Shifting Narratives: Understanding and Amplifying Creative Labor among People with Disabilities*

Committee: Anne Marie Piper (chair), Marcelo Worsley, Michael Horn, Kathryn E. Ringland

B.S. in Computer Engineering

2011 - 2017

University of Puerto Rico at Mayaguez, PR

Specialization in Computing Systems with Cum Laude distinction

Research Interests

Human-Computer Interaction, Accessibility, User Experience, Content Creation, Games, Online Communities, Qualitative Methods

Research Experience

Inclusive Technology Lab, Northwestern University

2017 – 2022

Graduate Research Assistant

Studied content creation among people with disabilities and developed accessible technologies that support learning and creative work. Designed tools informed by interviews, observations and technology testing sessions. *Advised by Prof. Anne Marie Piper.*

Interaction Lab, University of Southern California

2016

Undergraduate Research Assistant

Assisted in deploying study to understand group interactions and dynamics with a robot moderating a three-player collaborative game. Developed a traditional Checkers game to be played on a tablet by older adults with family members or against a robot in future studies. *Advised by Prof. Maja Matarić.*

Sketch Recognition Lab, Texas A&M University

2015

Undergraduate Research Assistant

Created new content for KidGab, a sketch-based social network built to promote safe social networking among children. Developed a WordPress plugin to analyze interaction data on the site and identified patterns of conformity influenced by social relationships. *Advised by Prof. Tracy Hammond.*

Developed a native Android mobile application for scheduling and keeping track of medical appointments. Worked on interfaces to show scheduled appointments, book appointments, and find a physician. *Advised by Prof. Nestor J. Rodriguez.*

Publications

Journal Articles

- [J1] Borgos-Rodriguez, K., Das, M., and Piper, A.M. (2021). Melodie: A Design Inquiry into Accessible Crafting through Audio-Enhanced Weaving. In *ACM Transactions on Accessible Computing (TACCESS)*, 14(1), 1-30.

Peer-Reviewed Conferences

- [C4] Das, M., Borgos-Rodriguez, K., and Piper, A.M. (2020). Weaving by Touch: A Case Analysis of Accessible Making. *Proceedings of ACM Conference on Human Factors in Computing Systems (CHI 2020)*. **[Best Paper Honorable Mention Award]**
- [C3] Borgos-Rodriguez, K., Ringland, K. E., and Piper, A.M. (2019). MyAutosomeFamilyLife: Analyzing Parents of Children with Developmental Disabilities on YouTube. *Proceedings of ACM Conference on Computer-Supported Cooperative Work and Social Computing (CSCW 2019)*.
- [C2] Beheshti, E., Borgos-Rodriguez, K., and Piper, A.M. (2019). Supporting Parent-Child Collaborative Learning through Haptic Feedback Displays. *Proceedings of ACM Conference on Interaction Design and Children (IDC 2019)*.
- [C1] Harrington, C.N., Borgos-Rodriguez, K., and Piper, A.M. (2019). Engaging Low-Income African-American Older Adults in Health Discussions through Community-based Design Workshops. *Proceedings of ACM Conference on Human Factors in Computing Systems (CHI 2019)*.

Book Chapters

- [B1] Valentine, S., Leyva-McMurtry, A., Borgos-Rodriguez, K., Hammond., T. (2016). The Digital Sash: A Sketch-Based Badge System in a Social Network for Children. *Revolutionizing Education with Digital Ink* (pp. 179-189), edited by T. Hammond et al., Springer International Publishing.

Doctoral Consortium

- [D2] Borgos-Rodriguez, K., (2021). Understanding Creative Labor among Content Creators with Disabilities. In *Conference Companion Publication on Computer Supported Cooperative Work and Social Computing (CSCW 2021)*. Virtual Conference.
- [D1] Borgos-Rodriguez, K., (2021). Shifting Narratives: Understanding and Amplifying Creative Labor among People with Disabilities. In *ACM SIGACCESS Conference on*

Computers and Accessibility (ASSETS 2021). Virtual Conference.

Posters

- [P4] Borgos-Rodriguez, K., Rodriguez, N. J. (2015). A Smart Phone App for Reducing Patients' Time at Physicians' Offices. *Symposium of Health Informatics in Latin America and the Caribbean & Hacking Medicine in the Caribbean (SHILAC 2015)*. San Juan, PR.
- [P3] Borgos-Rodriguez, K., Valentine, S., Hammond., T. (2015). Identifying Patterns of Conformity on a Social Network for Children. *Grace Hopper Celebration of Women in Computing (GHC 2015)*. Houston, TX.
- [P2] Borgos-Rodriguez, K., Valentine, S., Hammond., T. (2015). Influence of Groupthink on Children's Social Networks. *Computing Alliance of Hispanic-Serving Institutions Summit (CAHSI Summit 2015)*. San Juan, PR.
- [P1] Borgos, K., Rodriguez, N. (2014). A Mobile App for Reducing Patients' Waiting Time at Physicians' Offices. *Society for Advancement of Chicanos/Hispanics and Native Americans in Science National Conference (SACNAS 2014)*. Los Angeles, CA.

Honors and Awards

Latinas in Computing Grace Hopper Celebration Scholarship	2022
SIGACCESS Diversity & Inclusion Scholarship (ASSETS 2020)	2020
CHI Mentoring (CHIMe) 2018 Symposium Scholar	2018
The National GEM Consortium Associate Fellow	2017
Lockheed Martin Corporation HENAAC Scholarship	2016
CRA-W Distributed Research Experience for Undergraduates (DREU) Grant	2015

Teaching Experience

Teaching Assistant 2022
COMP_SCI 311: Inclusive Making
Northwestern University

Teaching Assistant 2014
ICOM4015: Advanced Programming
University of Puerto Rico at Mayaguez

Academic Service

Reviewer for ACM CSCW 2022 2022
NU Latin@CS Co-Founder and Internal Vice-President 2020 – 2022
NU Latin@CS Student Mentor 2020 – 2022

Reviewer for ACM CHI 2020	2019
NU Human-Computer Interaction Events Planning Committee	2018 – 2020
InfoSocial Graduate Research Conference Publicity Assistant	2018
IEEE Women in Engineering UPRM Chapter Secretary and Webmaster	2014 – 2015

Memberships

Association for Computing Machinery (ACM)
ACM Special Interest Group on Computer-Human Interaction (SIGCHI)