Katya Borgos-Rodriguez

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Education

Ph.D. in Technology and Social Behavior   09/2017 – (expected) 2022
Northwestern University, Evanston, IL
Dissertation: Understanding and Amplifying Creative Labor among People with
Disabilities
Committee: Anne Marie Piper (chair), Marcelo Worsley, Michael Horn, Kathryn E.
Ringland
GPA: 3.92 out of 4.00

B.S. in Computer Engineering   08/2011 - 07/2017
University of Puerto Rico at Mayaguez, PR
Specialization in Computing Systems with Cum Laude distinction

Research Interests

Human-Computer Interaction, Accessibility, Social Computing

Research Experience

Inclusive Technology Lab, Northwestern University   09/2017 – Present
Graduate Research Assistant
Studying content creation among people with disabilities and developing accessible
technologies that support learning and creative work. Designing tools informed by
interviews, observations and technology testing sessions. *Advised by Prof. Anne Marie
Piper.*

Interaction Lab, University of Southern California   06/2016 – 08/2016
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   06/2015 – 08/2015
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.*

University of Puerto Rico at Mayaguez   01/2014 – 05/2016
Undergraduate Research Assistant
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). MyAutsomeFamilyLife: 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] <u>Borgos-Rodriguez, K.</u>, (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] <u>Borgos-Rodriguez, K.</u>, (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] <u>Borgos-Rodriguez, K.</u>, 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] <u>Borgos-Rodriguez, K.</u>, 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] <u>Borgos-Rodriguez, K.</u>, 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] <u>Borgos, K.</u>, 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

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   08/2014 − 12/2014
ICOM4015: Advanced Programming
University of Puerto Rico at Mayaguez

Academic Service

NU Latin@CS Co-Founder and Internal Vice-President   2020 – Present
NU Latin@CS Student Mentor   2020 – Present
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)