KATYA BORGOS-RODRIGUEZ

Website: kborgos.github.io | Email: kborgos@u.northwestern.edu

EDUCATION

Northwestern University, Evanston, IL   09/2017 – (expected) 2022
Ph.D. in Technology and Social Behavior
Advised by Prof. Anne Marie Piper

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

RESEARCH INTERESTS

Human-Computer Interaction, Accessibility, Assistive Technology, Social Computing

RESEARCH EXPERIENCE

Inclusive Technology Lab, Northwestern University   09/2017 – Present
Graduate Research Assistant
Studying and developing technologies with individuals with disabilities and their caregivers 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 setting up an experiment with the objective of observing the effect of having a robot as the moderator of a three-player collaborative game on group interactions. Developed a traditional Checkers game to be played on a tablet by older adults with family members or against a robot companion in future experiments. *Advised by Prof. Maja Matarić.*

Sketch Recognition Lab, Texas A&M University   06/2015 – 08/2015
Undergraduate Research Assistant
Funded by the CRA-W DREU Grant. Contributed content for a children's social network. Developed a WordPress plugin, gathered data and studied patterns of behavior that could help identify trends relatable to cyberbullying. Found conformity factors 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.*

PEER-REVIEWED CONFERENCES

Das, M., **Borgos-Rodriguez, K.**, and Piper, A.M. (2020). *Weaving by Touch: A Case Analysis of Accessible Making.* In CHI Conference on Human Factors in Computing Systems Proceedings (CHI 2020). **Best Paper Honorable Mention.**

Borgos-Rodriguez, K., Ringland, K. E., and Piper, A.M. (2019). *MyAutsomeFamilyLife: Analyzing Parents of Children with Developmental Disabilities on YouTube*. In Proceedings of ACM Conference on Computer-Supported Cooperative Work and Social Computing (CSCW 2019).

Beheshti, E., **Borgos-Rodriguez, K.**, and Piper, A.M. (2019). *Supporting Parent-Child Collaborative Learning through Haptic Feedback Displays*. In Proceedings of ACM Conference on Interaction Design and Children (IDC 2019).

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*. In CHI Conference on Human Factors in Computing Systems Proceedings (CHI 2019).

BOOK CHAPTERS

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

POSTER PRESENTATIONS

Borgos-Rodriguez, K., Rodriguez., N. J. *A Smart Phone App for Reducing Patients' Time at Physicians' Offices*. In Symposium of Health Informatics in Latin America and the Caribbean & Hacking Medicine in the Caribbean. San Juan, PR. November 21, 2015.

Borgos-Rodriguez, K., Valentine, S., Hammond., T. *Identifying Patterns of Conformity on a Social Network for Children*. In Grace Hopper Celebration of Women in Computing. Houston, TX. October 15, 2015.

Borgos-Rodriguez, K., Valentine, S., Hammond., T. *Influence of Groupthink on Children's Social Networks*. In Computing Alliance of Hispanic-Serving Institutions Summit. San Juan, PR. September 11, 2015.

Borgos, K., Rodriguez, N. *A Mobile App for Reducing Patients' Waiting Time at Physicians' Offices*. In Society for Advancement of Chicanos/Hispanics and Native Americans in Science National Conference. Los Angeles, CA. October 17, 2014.

HONORS AND AWARDS

CHI Mentoring (CHIMe) 2018 Symposium Scholar	2018
The National GEM Consortium Associate Fellow	2017
Lockheed Martin Corporation HENAAC Scholarship	2016

Updated 10/05/2020

TEACHING EXPERIENCE

Teaching Assistant   08/2014 – 12/2014
ICOM4015: Advanced Programming
University of Puerto Rico at Mayaguez

ACADEMIC SERVICE

NU Latin@CS Student Organization Internal Vice-President	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 Student Chapter Secretary and Webmaster	2014 – 2015

MEMBERSHIPS

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

LANGUAGES

Spanish – native language
English – speak, read and write fluently

Updated 10/05/2020