

# KATYA BORGOS-RODRIGUEZ

Website: [kborgos.github.io](https://kborgos.github.io) | Email: [kborgos@u.northwestern.edu](mailto:kborgos@u.northwestern.edu)

## EDUCATION

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Northwestern University, Evanston, IL  
**Ph.D. in Technology and Social Behavior**  
*Advised by Prof. Anne Marie Piper*

09/2017 – (expected) 2022

University of Puerto Rico at Mayaguez, Mayaguez, PR  
**B.S. in Computer Engineering**  
*Specialization in Computing Systems with Cum Laude distinction*

08/2011 - 07/2017

## RESEARCH INTERESTS

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Human-Computer Interaction, Accessibility, Assistive Technology, Computer-Mediated Communication

## RESEARCH EXPERIENCE

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**Inclusive Technology Lab, Northwestern University**  
*Graduate Research Assistant*

09/2017 – Present

Studying and designing technologies for individuals with developmental disabilities (e.g., autism, attention-deficit hyperactivity disorder) and their caregivers informed by interviews, observations and technology testing sessions. *Advised by Prof. Anne Marie Piper.*

**Interaction Lab, University of Southern California**  
*Undergraduate Research Assistant*

06/2016 – 08/2016

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**  
*Undergraduate Research Assistant*

06/2015 – 08/2015

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**  
*Undergraduate Research Assistant*

01/2014 – 05/2016

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

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### 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).

**Borgos-Rodriguez, K.**, Ringland, K. E., and Piper, A.M. (2019). *MyAutosomeFamilyLife: 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

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

**TEACHING EXPERIENCE**

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**Teaching Assistant**

08/2014 – 12/2014

ICOM4015: Advanced Programming

*University of Puerto Rico at Mayaguez***SERVICE**

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Volunteer at Friedman Place, Chicago, IL

2019 – Present

NU Human-Computer Interaction Events Planning Committee

2018 – Present

InfoSocial Graduate Research Conference Publicity Assistant

2018

IEEE Women in Engineering UPRM Student Chapter Secretary and Webmaster

2014 – 2015

**MEMBERSHIPS**

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Association for Computing Machinery (ACM)

ACM Special Interest Group on Computer-Human Interaction (SIGCHI)

**LANGUAGES**

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Spanish – native language

English – speak, read and write fluently