

KATYA BORGOS-RODRIGUEZ

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

EDUCATION

Northwestern University, Evanston, IL
Ph.D. in Technology and Social Behavior
Advised by Prof. Anne Marie Piper
GPA: 3.9/4.0

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

Human-Computer Interaction, Assistive Technology, Technology and Society, Computer-Mediated Communication

AWARDS

The National GEM Consortium Associate Fellow	2017
Lockheed Martin Corporation HENAAC Scholarship	2016
CRA-W Distributed Research Experience for Undergraduates (DREU) Grant	2015

RESEARCH EXPERIENCE

Inclusive Technology Lab, Northwestern University
Graduate Research Assistant

09/2017 – Present

Developing new learning applications for the T-PaD, a touch-feedback tablet computer that allows the individual interacting with it to feel textures and patterns as they glide their finger across the screen. Designing a study to investigate the accessibility and appeal of this device for children with developmental disabilities through 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

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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.*

PUBLICATIONS

BOOK CHAPTERS

Stephanie Valentine, Angelica Leyva-McMurtry, **Katya Borgos-Rodriguez**, Tracy Hammond. *"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

Katya Borgos-Rodriguez, Nestor J. Rodriguez. *"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. San Juan, PR. November 21, 2015.

Katya Borgos-Rodriguez, Stephanie Valentine, Tracy Hammond. *"Identifying Patterns of Conformity on a Social Network for Children"*. Grace Hopper Celebration of Women in Computing. Houston, TX. October 15, 2015.

Katya Borgos-Rodriguez, Stephanie Valentine, Tracy Hammond. *"Influence of Groupthink on Children's Social Networks"*. Computing Alliance of Hispanic-Serving Institutions Summit. San Juan, PR. September 11, 2015.

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

TEACHING EXPERIENCE

Teaching Assistant

08/2014 – 12/2014

ICOM4015: Advanced Programming

University of Puerto Rico at Mayaguez

EXTRACURRICULAR ACTIVITIES

- CHI Mentoring (CHIMe) 2018 Symposium Scholar 2018
- Georgia Institute of Technology FOCUS Program Scholar 2016
- IEEE Women in Engineering UPRM Student Chapter Secretary/Webmaster 2014 - 2015
- University of Puerto Rico at Mayaguez's FemProf Program Participant 2014 - 2017

- Carnegie Mellon University *OurCS* Workshop Participant

2013

LANGUAGES

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