Sarada Symonds

801-865-0464 | symonds.s@husky.neu.edu | saradasymonds.com

Education

Northeastern University Boston, MA
Candidate for Bachelor of Science Computer Engineering and Computer Science May 2019
GPA: 3.75
Achievements: Dean's List, Honors Program Mentor, Global Experience Ambassador, Dialogue of Civilizations (Italy, Summer 2015), Study Abroad (Trinity College Dublin, Spring 2017), GE Women's Network Scholarship, RISE Award, Pressman Memorial scholarship, Distil Women in Technology scholarship, Box Diversity Scholarship finalist
Relevant Courses: Software Vulnerabilities and Security, Computer Systems, Software Development, Computer Networks, Artificial Intelligence I, Algorithms and Data Structures, Object Orient Design, Digital Logic Design, Engineering Algorithms, Circuits and Signals, Logic and Computation, Discrete Structures, Differential Equations, Embedded Design, Fundamentals of Computer Science 1/2, Discrete Structures, Forensic Psychology

Campolindo High School Moraga, CA
High School Diploma June 2014
Extracurricular: Volleyball, Academic Decathlon, Model UN, Journalism, Future Business Leaders
Achievements: AP Scholar with Distinction, Journalism Award, Academic Decathlon National Championship Team

Experience

Developer Co-op San Francisco, CA
Yeti LLC July 2016-December 2016

- Worked with small teams of developers and designers to deliver website and mobile applications for clients from diverse fields, including electronics and wearables, educational software, and entertainment.
- Broadened my frontend and backend development skillset by researching and using technologies such as Django, PostgreSQL, React, and Heroku for different projects and attending technology meet ups in the area.
- Wrote several blog articles for company website, which led to contact requests by potential clients.

Research Assistant Boston, MA
Northeastern College of Computer and Information Sciences January 2016-June 2016

- Focused on using cloud computing as a testbed for evaluating security in research and teaching environments.
- Worked with other research assistants to streamline the process of launching a secure execution environment.

Tech Team Mentor Cambridge, MA
Science Club for Girls September 2015 – Present

- Created a curriculum that will teach girls about marketing and app development using MIT's App Inventor.
- Aided a group that competed in Technovation, an international challenge that encourages girls to create a mobile app to address a problem in their community, as well as other mobile application competitions.

Activities

Publicity Chair, Webmaster, Student Activity Council Representative, Society of Women Engineers 2014-Present

- Organized Northeastern University's Women in Engineering Day, which introduced high school girls to various facets of engineering through panels and activities and was attended by over 100 people.
- Volunteered at events such as the Strides for Breast Cancer Walk and the Habitat for Humanity ReStore Day.

Member, NU Collegiate Cyber Defense Club 2017-Present

- Completed hands-on labs that introduced cyber defense concepts and tools such as fail2ban and clamAV.

Researcher, NUCAR Group 2014-2015

- Researched computer architecture concepts, with a focus on parallel computing using OpenCL and CUDA.
- Optimized a Polybench suite and worked on prefetch strategies for GPUs.

Projects

Project WHAM, Enabling Engineering 2015-2016

- Developed an iOS mobile application and wearable device that would allow physical therapists to monitor their patients' progress remotely, with a focus on therapists working with children with cerebral palsy.
- Awarded Northeastern's 2016 Research, Innovation, Scholarship, and Entrepreneurship Award in Engineering.

Connect Four, Personal Project October 2017

- Developed a game of connect four using React that implements a minimax algorithm to calculate the best move.

Skills

Programming: C++, Python (Pandas, Scikit), Javascript (Angular2, React), Java, HTML/CSS, Matlab, Swift, C, Prolog