

# SARADA SYMONDS

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## Education

### **Northeastern University**

Boston, MA

Candidate for Bachelor of Science Computer Engineering and Computer Science

May 2019

GPA: 3.7

**Awards:** Dean's List, Pressman Memorial Scholarship recipient, SheHacks Equality Award recipient, Distil Women Forward in Technology recipient, Box Diversity Scholarship finalist, GE Women's Network scholarship recipient, RISE Award recipient

**Activities:** NU Collegiate Cyber Defense Club, Society of Women Engineers (Publicity Chair, Webmaster, Student Activity Council Representative), Science Club for Girls Tech Program Mentor, Honors Program Mentor

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## Experience

### **Associate Intern Co-op**

Boston, MA

PwC Cybersecurity and Privacy Practice

June 2018-December 2018

- Contributed to cyber security client projects, focusing on vulnerability management, web application security audits, digital forensics, and network analysis, and leveraging tools such as Burp Suite, Nexpose, and eDiscovery.
- Facilitated creation of a vulnerability management program at client's company, utilized data analysis to identify 40% more vulnerabilities on critical systems and establishing vulnerability management processes.
- Verified clients were complying with cyber security regulations and standards, such as HIPAA, GDPR, and PCI.
- Assisted penetration testers checking for exploitable vulnerabilities in client web applications, including common web vulnerabilities and the OWASP Top 10, and composed reports to communicate findings to clients.

### **Embedded and Open Systems Co-op**

Lexington, MA

MIT Lincoln Laboratory

July 2017-December 2017

- Developed and researched technologies to ensure compliance with Open Mission Systems standards.
- Coded and tested several new features in an AngularJS web app based on user and supervisor feedback.
- Modified the PostgreSQL database structure to follow best practices and set up migrations with Sequelize.
- Coded bash scripts, improving web app start up efficiency by 44% and maintaining data integrity.

### **Developer Co-op**

San Francisco, CA

Yeti LLC

July 2016-December 2016

- Coordinated 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 frontend and backend development skillset by researching and utilizing technologies such as Django, PostgreSQL, React, Node.js and Heroku for different projects and attending technology meet ups and lectures.
- Wrote several blog articles for company website, leading to contact requests by potential clients.

### **Research Assistant**

Boston, MA

Northeastern College of Computer and Information Sciences

January 2016-June 2016

- Focused on deploying cloud computing as a testbed for evaluating security in research and teaching environments.
  - Delivered a web page that launched a secure execution environment with other research assistants.
  - Co-authored paper presented at 2017 IEEE International Symposium on Technologies for Homeland Security.
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## Projects

Project WHAM, Enabling Engineering

September 2015-December 2016

- Developed an iOS mobile application and wearable device allowing physical therapists to monitor 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

- Implemented a minimax algorithm to calculate the best move in a game of connect four with React.

## Notable Achievements

- Organized Northeastern University's Women in Engineering Day, introducing high school girls to various facets of engineering through panels and activities and was attended by over 100 people.
- Studied Abroad in Italy (Northeastern University, Summer 2015) and Ireland (Trinity College, Spring 2017).
- Designed curriculum and aided groups competing in Technovation, an international challenge encouraging girls to create a mobile app and business plan to address a problem in their community.

## Skills

**Technologies:** Python, C++/C, Javascript (AngularJS, React), Java, HTML/CSS, Matlab, Linux, Git, Ruby

**Familiar with:** R, Swift, Prolog, Kali Linux, Metasploit, Sci-kit, Node.js, Express, Amazon Web Services (AWS)