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## Education

### *Northeastern University*

Boston, MA

Bachelor of Science in Computer Engineering

May 2016

Minors in Computer Science and East Asian Studies

**Courses:** Network Security, Software Vulnerabilities, Software Engineering, Computer Systems, Computer Architecture, Optimization Methods, Wireless Technologies, Ethics of Emerging Technologies

**Activities:** IEEE Student Chapter, Japanese Cultural Club, Outdoor Club, Film Club

## Academic Projects

**Capstone Project:** Worked with a team to design and build a robot with an onboard stereoscopic camera system that transmitted a video stream to an Oculus Rift virtual reality headset. The headset allowed the user to view the environment from the perspective of the robot in real-time and control the camera rotation via head-tracking.

## Technical Skills

**Languages:** Python, C/C++/C#, Java, JavaScript/HTML/CSS, Bash

**Frameworks:** Splunk, Robot Automation, Aurelia, Bootstrap, Metasploit

**Tools:** Gulp, Maven, Jenkins, Docker, OpenShift, Git, Kali

**Networking:** Familiar with common networking concepts, protocols, and security methods.

## Experience

### *Optum*

Boston, MA

Senior Applications Developer

June 2016 – Aug. 2017

- Worked on large-scale web applications, including REST service integration.
- Developed applications in Unity for using virtual reality technology in a healthcare environment.
- Helped bootstrap a single-page web application, including front-end development, DevOps support, and scrum master responsibilities.

### *Corero Network Security*

Cambridge, MA

UI/Visualization Co-op

Jan. 2015 – Sep. 2015

- Worked with integrating Splunk tools into a web application to help better visualize DDoS attacks, view system health, and allow for alerting and reporting functionality.
- Wrote a Python script that sanitized network system logs of personal information while preserving the relationships between the data for demonstration purposes.

### *ChoiceStream*

Boston, MA

Quality Assurance Co-op

Jan. 2014 – June 2014

- Maintained, utilized, and created test scripts using the Robot Framework.
- Created test data generation script in Python

## Interests

CTF, videogame modding, virtual reality, camping, rock climbing, Eagle Scout.