

Russell E. Walker

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Moving to the San Francisco

Bay Area by September 2017

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

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

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

Experience

Optum

Boston, MA

Senior Technology Development Program Associate

June 2016 – Present

- 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 application using the Aurelia framework, including front-end development, DevOps support, and vulnerability scanning.

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, Eagle Scout.