

Russell E. Walker

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2005 Commonwealth Ave, Apt 2

Boston, MA 02135

Education

Northeastern University

Boston, MA

Bachelor of Science in Computer Engineering

May 2016

Minors in Computer Science and East Asian Studies

Honors and Awards: Honors Program

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 Framework, Aurelia, Bootstrap

Tools: Gulp, Maven, Jenkins, Git

Networking: Home, small-business, and enterprise-scale networking concepts, as well as network security, internet traffic, and DDoS protection.

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 with Corero's security infrastructure to help better visualize data.
- Wrote a Python script that sanitized network traffic data of personal information.

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

Videogame modding, astronomy and space exploration, Japanese language and culture, camping, Eagle Scout.