Russell E. Walker

russwalker21@gmail.com   856-512-0694

russeru.com   Sunnyvale, CA

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

Technical Skills

Certifications: (ISC)^2 Systems Security Certified Practitioner (SSCP)

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

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

Tools: Vagrant, Wireshark, Gulp, Maven, Jenkins, Docker, OpenShift, Git, Kali, Protobuf

Networking: OSI model, routing and transport protocols, security methods, DDoS mitigation, traffic analysis

Experience

LookingGlass Cyber Solutions   San Jose, CA

Software Engineer   Jan. 2018 – March 2019

- Helped create an event management solution written in Java and Go for a network security appliance.
- Wrote and executed performance and behavioral tests using Cucumber and Gherkin.
- Made a framework using Python and Scapy to test low-level functionality of the security appliance.

Optum (UnitedHealth Group)   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 custom 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 a test data generation script in Python.

Interests

Android development, videogame modding, virtual reality, rock climbing, Eagle Scout.