

Education

California State University, Sacramento
Bachelor of Science, Computer Science (expected graduation Spring 2017)
Minor: Mathematics
CSUS GPA: 3.904 out of 4.00

EC-Council Certified Ethical Hacker
IACRB Certified Penetration Tester
CompTIA Security+ Certified

Work Experience

- **CSUS Information Security Office, Information Security Assistant** (February 2016- Present – 20 Hours/week)
Designed and implemented C# application to fix Office 365 Online log pull problem (Publishing); Analyze phishing and malware campaigns on the Sacramento State University network; Statically analyze potentially malicious pdf, zip, .doc, and executable files; Analyze traffic and threat logs to verify possible malicious activity; Write scripts in Powershell, Python, and Bash to automate tasks, such as, parsing firewall logs, identifying possible threats, generating statistics of logs, and emailing and logging results; Assist in incident response; Assist in writing and developing training modules for staff and student security training; Process DCMA/RIAA notices;
- **SPAWAR Pacific - San Diego, NREIP Intern** (May 2016 – August 2016 – Full Time)
Conducted a feasibility study for a project funding proposal; Applied a unique multi-dimensional indexing technique to internet packet categorization and network intrusion detection; Created a virtual network to run malicious scans and attacks, and capture network traffic; Wrote code to capture IP packets and simulate real HTTP traffic; Developed and tested different indexes to detect abnormal network traffic patterns; Identified unique patterns in indexes based on different types of network traffic and malicious activities;
- **CSUS Collegiate Cyber Defense Competition, White Team Volunteer** (October 2015 – February 2016)
Installed and configured Nagios server; Set up network parameters, domain controllers, and virtual machines; Used network tools to monitor competition; Created instructions for setup of competition in future years;

Professional Acknowledgements and Activities

- CyberCorps: Scholarship for Service Recipient (Fall 2015 to present)
- Dean's Honor List (Spring 2014 - Spring 2016)
- Ethical Hacking Online Training Course (InfoSec Institute – Spring 2016)
- Penetration Testing with Kali Linux Course (Offensive Security - Fall 2016)
- EC-Council Certified Ethical Hacker (May 2016)
- IACRB Certified Penetration Tester (July 2016)
- Studying for Offensive Security Certified Professional (Expected Spring 2016)
- CompTIA Security+ Certificate (November 2015)
- Team Lead for "CSUS/n00bs" in Rochester Institute of Technology's 2016 Capture the Flag competition

Skills

- Experience writing programs and scripts in Java, C, Assembly Language, Ruby, Python, Powershell, and Bash
- Experience in web development with Ruby on Rails, HTML, PHP, MySQL, and Bootstrap
- Hands-on experience with offensive security techniques, such as port and vulnerability scanning, buffer overflow attacks, privilege escalation, web application attacks, etc.
- Experience with network forensic techniques and designing custom packet capture and analysis tools
- Experience analyzing real phishing and malware campaigns on the Sacramento State University network
- Experience creating and configuring virtual networks with VMWare Workstation
- Familiarity with Unix and Linux environments
- Proficient math skills in upper-division concepts
- Strong analytical, problem solving, and logic skills

Computer Projects

- Bullard Construction Timecard Scheduling Portal Team project (C# - Fall 2016 and Spring 2017)
- Intrusion Detection System using illegal values in packet fields, cookies, and user-agents to flag activity (Ruby – Spring 2016)
- Exchange Online Log Pull Library and Console Application which solved CSUS' Office 365 log problem (C# - Winter 2016)
- Simple Python Port Knockor implemented on Raspberry Pi