Donald E. Murchison
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Education

California State University, Sacramento
Bachelor of Science, Computer Science (5/2017)
Minor in Mathematics
GPA: 3.916 out of 4.00
Summa Cum Laude Honors

Certifications

EC-Council Certified Ethical Hacker
IACRB Certified Penetration Tester
CompTIA Security+ Certified
CSUS Certificate in Information Assurance and Security

Work Experience

- **Tier I Security Operations Center (SOC) Analyst, CSUS Information Security Office** (February 2016 - Present)
  Perform tier one incident response for malware and malicious activity notifications generated by FireEye, PAN border firewall, and ISO SIEM; work with team to design and implement C# applications to maintain daily logging capabilities from cloud based enterprise applications; develop scripts to detect geolocation and account activity anomalies; assist in writing and developing training modules for staff and student security training; write technical documentation for ISO security procedures and applications;

- **NREIP Intern, SPAWAR Systems Center Pacific** (May 2016 – August 2016)
  Conducted a feasibility study for an enterprise network security project proposal; created a heuristic intrusion detection system based on a unique multi-dimensional indexing technique which performed internet packet categorization and anomaly detection; performed analysis of different indexes and their ability to detect abnormal network traffic patterns; created documentation and visualization for results of study; provided technical expertise to supervisor during project funding presentation;

Skills and Experience

Languages:
- Python, C#, Powershell, Bash, C, Ruby, Javascript

Leadership:
- ACM Security Interest Group – Re-establishing Member and Presenter
- CSUS Capture the Flag Team - Founder and Competition Coordinator
- CSUS Information Security Office – Office 365 Project Lead

Communication, Written and Interpersonal:
- CSUS Information Security Office, security application and security procedure documentation
- Enterprise Network Security Research Project, result presentation and technical documentation
- CSUS Collegiate Cyber Defense Competition, set up instructions and monitoring documentation

Technical:
- Operating Systems: Windows(7,8,10), Kali Linux, SANS REMnux, several Debian based systems
- Relevant Software: FireEye, Palo Alto Network, Wireshark, Burp Suite, Metasploit, several Malware Analysis Tools(REMnux), several Penetration Testing Tools(Kali Linux), Visual Studios, SQL Server Management Studio

Other Projects:
- Operating System with virtual address translation and page fault handling (C and AT&T Assembly)
- Network Reconnaissance Toolkit to aide in port scanning and service enumeration (Python and Bash)
- Web Application Toolkit to aide in SQL injection, directory traversal, and remote code execution (Python)
- ESXI Home Lab to learn about applications like pfSense, Splunk, and Elastic Search (Build In Progress)

Professional Acknowledgements and Activities

Professional Courses
- Penetration Testing with Kali Linux Course by Offensive Security
- Ethical Hacking Online Course by InfoSec Institute

Activities and Awards
- CyberCorps: Scholarship for Service Recipient
- Dean's Honor List (Spring 2014 - Spring 2017)
- Frequently participate in ethical hacking competitions and present write-ups