Steven Vu

Aspiring Cybersecurity Professional

LinkedIn | GitHub | Tigard, OR | vuhoangsteven@gmail.com | [503] 484-4150

EDUCATION

Oregon State University | *Computer Science (B.S.)* Corvallis, OR | September 2020 – June 2024

- Cumulative GPA: 3.82/4.00 | Magna Cum Laude
- Relevant Coursework: Cryptography, Network Security, Digital Forensics, Info Security Governance, Introduction to Security, Machine Learning & Data Mining, Operating Systems
- Institutional Honors: Dean's List (8 Quarters)
- Certifications: Cybersecurity Certificate | Oregon State University | June 2024

RELEVANT EXPERIENCE

Digital Forensics Investigation | *Oregon State Universit*y | Winter 2024

- Analyzed a sample hard disk used by multiple users over time, utilizing tools like Autospy and FTK Imager to examine file structures, metadata, and user profiles
- Emphasized the importance of chain of custody throughout the investigation and utilized disk imaging and data carving techniques for effective file recovery
- Employed shell bags to determine when users had accessed or made changes to configuration settings for files, applications, event logs, and security keys
- Leveraged Autospy to uncover email artifacts, web artifacts, and organized the findings in a structured timeline based on timestamps and relevant events for presentation in legal contexts
- Compiled a comprehensive report detailing findings and developed a theory supported by key digital evidence, leading to two individuals being suspected of involvement of SQL injection attacks

Security Policy Development and Compliance Framework | *Oregon State University* | Spring 2024

- Developed a comprehensive security policy and compliance framework for an organization that aligns with NIST SP 800-53 standards, enhancing overall governance
- Expected significant reduction in number of successful cases of brute force attempts on user credentials by implementing robust access control and security controls
- Conducted a thorough risk assessment to identify key security risks and areas of insufficient compliance, particularly concerning data protection and regulatory compliance like HIPAA
- Presented a set of policy recommendations to peers and faculty that improved the organization's security posture by ensuring compliance with industry standards, including effective encryption practices

Malware Analysis | *Oregon State University* | Fall 2024

- Created a new VM snapshot using VirtualBox with a Linux operating system and installed necessary analysis tools installed prior to introducing the malware sample
- Utilized HPGary Flypaper as a device driver to prevent malware components from exiting processes, allowing observation of its behavior and impact of the victim system
- Monitored and filtered system changes caused by the malware using Process Monitor, confirming the creation of new child processes and altered system files
- Identified the malware to be a worm that compromises a system by modifying the host file and creating a renamed Internet Explorer browser that redirects the user requests to malicious sites
- Demonstrated the malware's ability to install additional malware components and maintain persistence through registry modifications, utilizing child processes to evade detection