

ALEXANDER NEAD-WORK

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Summary

Enthusiastic cybersecurity student with over 3 years of relevant work experience. Driven security analyst at Oregon State, working with industry standard tools (Bro, Nessus, Elastic, Splunk) to analyze 40gbps of traffic for known and unknown threats. Experience with networking and virtualization via a home lab. Proven leader/self-starter from the NW Cyber Camp (over 100 participants, 95% positive feedback), and the OSU Security Club (with multiple high-placing finishes).

Skills

Security

- Malware Analysis (IDA, gdb, radare2)
- Vulnerability Scanning (Nessus, OpenVAS)
- Network Forensics (Bro, Wireshark, Aircrack, nmap)
- Log Management (Splunk, Elasticstack)

Programming

- C, C++, C#, Java
- Python, *sh, PowerShell
- HTML/CSS/JavaScript
- x86 Assembly
- Git

Infrastructure

- Vagrant
- ESXi/vCenter
- Cisco Networking

Education

BS, COMPUTER SCIENCE (SECURITY) – Oregon State University – 3.79 GPA – Est. Graduation June 2022 (Sophomore)

- Dean's List
- Minors: Asian Languages and Cultures (Chinese concentration), Business and Entrepreneurship
- Key Courses: Intro to Digital Forensics, Cyber Attacks and Defenses, Operating Systems II

Work Experience

SECURITY ANALYST – Oregon Research & Teaching Security Operations Center (ORTSOC) – Oct 2017 - Present

- Work with Zeek, Nessus, Splunk, and the Elasticstack to perform network monitoring & analysis (average 40Gbps traffic)
- Design, deploy, and maintain production and development infrastructure
- Develop automation to improve analysis efficiency by over 50% (Python/Bash)
- Monitor and respond to end-user phishing incidents
- Contribute to documentation and training materials for other team members

CYBERSECURITY/SOFTWARE DEVELOPMENT INTERN – Pacific Star Communication – Jun 2016 - Sep 2017

- Wrote a PowerShell/C# application to deploy DISA STIGs for Windows 7/8/8.1/10, Windows Server 2012/2012R2, Acrobat, and Internet Explorer, cutting down ETA for configuring systems by 90%
- Developed a visitor log/badge printing system to meet NIST SP800-53 security requirements (C#)
- Developed and presented solutions for anti-virus, software whitelisting, and multi-factor authentication
- Ran network scans using Nessus and OpenVAS of all corporate networks and presented over 20 mitigation options

Activities/Awards

OSU Security Club

- President of the club since 2017
- Captain for Capture the Flag (CTF) & Cyber Defense Competition (CDC) team
- Work with industry partners to bring recruitment events and presentations to our club members
- Work with the College of Engineering to secure funding for competitions and tools

NW Cyber Camp

- Co-founded in 2016
- 5 locations with over 100 total participants (2018)
- Weekly management meetings
- Work with local high schools for recruitment
- Coordinate with industry partners to secure funding and guest speakers

Awards

- 3rd place, Pacific Rim Collegiate Cyber Defense Competition 2019
- 1st place regionally, 3rd place nationally at the Cyberforce Competition 2018

