

EXPERIENCE

Secure Software Development Project Maintainer Jun 2022 - Present
Naval Underwater Warfare Center, Keyport Division Bellingham, WA

- Currently developing DevOps infrastructure with three other WWU students for use by the Navy (NUWC-K) and cybersecurity research students
- Deliverables include a fully-featured, open-source development CI/CD pipeline on GitLab

L4 Security Engineer (Internship) Jun 2022 - Sep 2022
Amazon Web Services Bellingham, WA (Remote)

- Wrote a service and complementary API using Python on AWS Lambda to automate risk auditing of open source packages imported by Amazon developers against modified OpenSSF security metrics; stored and queried large data sets using DynamoDB
- Decreased developer time researching safe imports by hours to weeks; implemented QuickSight BI dashboard for accessible review
- Devops: used Git inside of AWS Lambda, EC2; staged development and reviewed code in an AWS CI/CD pipeline driven environment

Computer Information Systems Department Tutor Oct 2020 - Apr 2022
Whatcom Community College Bellingham, WA

- Technologies/objectives: Cisco CCNA prep., enterprise security fundamentals, Linux admin., OS architecture, OOP with Java

IT Support Specialist (Short-Term Contract) Sep 2021 - Oct 2021
Anvil Corporation Bellingham, WA

- Employed PowerShell and Quest KACE to automate network-based workstation re-imaging, accelerating deployment processes
- Performed hardware upgrades on workstations and servers to provide for growing business requirements
- Carried out on-site network maintenance and inventory cataloging to ensure consistent remote/WFH employee access

EDUCATION

Cybersecurity, Bachelor of Science Jan 2021 - Jun 2023 (Expected)
Western Washington University (GPA: 3.93) Bellingham, WA

- Courses incl. network security, database architecture, OS concepts, technical writing, func. programming and structures, cyber law
- Academic experience with C, Java, Python, PowerShell, Bash, MySQL, Git, pair programming, disassembly/RE
- Minor: Political Science; relevant coursework in American legal structures

Cybersecurity, Associate of Science Sep 2017 - Dec 2020
Whatcom Community College (GPA: 3.97; Graduated with Honors) Bellingham, WA

- Courses incl. CCNA Routing and Switching, security policy/compliance, risk management, ICS, client service and professionalism
- Obtained WCC CIS Certificate of Network Administration
- Placement on Dean's List for exemplary performance for ten consecutive academic quarters

ACTIVITIES

WWU Cybersecurity Club (President) Sep 2021 - Present
Western Washington University Bellingham, WA

- Student event leader, Captain of the Western Washington University Cyber Defense Team
- Managed the complete redevelopment of club resources and organizational structure, increasing membership by 10x in one year

Collegiate Cyber Defense Competition (Team Captain) Jan 2021 - Mar 2021; Jan 2022 - Apr 2022
Western Washington University; Pacific Rim Region Bellingham, WA

Department of Energy CyberForce Competition (Team Captain) Oct 2021 — Nov 2021; Sep 2022 – Nov 2022
Western Washington University Bellingham, WA

PROJECTS

Personal Website and Security Blog swlacy.com

- Static personal site dedicated to technical demos, competition/CTF reports, malware analysis, security research
- Intermediate web development skills with JavaScript, HTML, CSS, Hugo

Discord Shell github.com/lacysw/DiscordShell

- Discord API-powered botnet and C2 designed to infect Windows and Linux hosts while evading AV engines
- Built with Python, Bash, PowerShell for educational/demonstrative purposes

Home Lab Info on request

- Hobby experience with Docker, OPNsense, Proxmox, SecurityOnion, static malware analysis, reverse engineering, etc.
- Isolated malware analysis lab and remote development environments