

EXPERIENCE

L4 Security Engineer (Internship)

Amazon Web Services

Jun 2022 - Sep 2022

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

Whatcom Community College

Oct 2020 - Apr 2022

Bellingham, WA

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

IT Support Specialist (Short-Term Contract)

Anvil Corporation

Sep 2021 - Oct 2021

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

Western Washington University (GPA: 3.93)

Jan 2021 - Jun 2023 (Expected)

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

Whatcom Community College (GPA: 3.97; Graduated with Honors)

Sep 2017 - Dec 2020

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)

Western Washington University

Sep 2021 - Present

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)

Western Washington University; Pacific Rim Region

Jan 2021 - Mar 2021; Jan 2022 - Apr 2022

Bellingham, WA

- Managed deployment and maintenance of Palo Alto Firewall/IPS to protect network from external threats
- Hardened Windows and Linux/BSD systems and services, filed incident reports, prepared technical security documentation

Department of Energy CyberForce Competition (Team Captain)

Western Washington University

Oct 2021 — Nov 2021

Bellingham, WA

- Maintained professional client relations in a security management role against an assumed, actively exploited breach
- Prepared technical documentation for clients and internal parties, drafted reports to facilitate event organization

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