

## EXPERIENCE .....

### L4 Security Engineer (Internship)

Jun 2022 - Present

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

### 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

### 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