

EXPERIENCE

Security Engineer I (Internship)

Jun 2022 — Present

Amazon Web Services (AWS)

Washington, D.C. Metro Area (Remote)

- Wrote an API using Python on AWS Lambda to automate security auditing/scoring of open source packages imported by AWS developers against modified OpenSSF security metrics; significantly decreased developer time researching safe imports
- Stored and queried large data sets using DynamoDB; exported to QuickSight dashboard for human-friendly, accessible visual review
- Devops: used Git inside of AWS Lambda, EC2; performed code review in a CI/CD pipeline driven environment

Computer Information Systems Department Tutor

Oct 2020 — Apr 2022

Whatcom Community College

Bellingham, WA

- Taught and assisted students with WCC Computer Information Systems Department coursework
- Technologies/objectives: Cisco CCNA prep, enterprise security fundamentals, Linux admin with Bash, OS architecture, 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, improving deployment time metrics
- Performed hardware upgrades on workstations and servers to accelerate business-critical AutoCAD rendering processes
- 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 Java, C, Python, MySQL, Bash, PowerShell, Git, MySQL, 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

Bellingham, WA

- 2022 team Captain and security strategist; 2021 competitor
- 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
- Provided organized and effective client support while under relentless attack by skilled industry professionals

Department of Energy CyberForce Competition (Team Captain)

Oct 2021 — Nov 2021

Western Washington University

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

- Dedicated to educational technical articles related to competition/CTF reports, malware analysis, and security research
- Intermediate web development skills with JavaScript, HTML, CSS; Frameworks: React, 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; constructed for educational/demonstrative purposes

Home Lab

Info on request

- Isolated malware analysis lab environment with SIEM, remote development environment, various hardened game servers; secure external access via WireGuard; hobby experience with Docker, OPNsense, Proxmox, SecurityOnion, static malware analysis, etc.