

EXPERIENCE

Secure Software Development Project Maintainer

Sep 2022 - Present

Naval Underwater Warfare Center, Keyport Division

Bellingham, WA

- Currently developing an open-source CI/CD pipeline for Python applications for use by the Navy (NUWC-K).
- Using GitLab on OpenStack; threat modelling under MITRE ATT&CK; orchestrating project management with Jira/Confluence.

L4 Security Engineer Intern

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.
- Utilized 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

- Instructed students in Cisco CCNA prep., enterprise security fundamentals, Linux admin., OS architecture, OOP with Java.

IT Support Specialist (Contract)

Sep 2021 - Oct 2021

Anvil Corporation

Bellingham, WA

- Employed PowerShell and Quest KACE to automate network-based re-imaging of over 200 hosts, 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, cyber law, func. programming and structures.
- 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 Applied 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

- Captain of the Western Washington University Cyber Defense Team, student event leader.
- Directed 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.