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SID LACY
SECURITY ENGINEER, B.SC. (PENDING)

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EXPERIENCE

Secure Software Development Project Maintainer   Sep 2022 - Present
Naval Underwater Warfare Center, Keyport Division   *Bellingham, WA*
- Currently developing DevOps infrastructure with three peers for use by the Navy (NUWC-K) and cybersecurity research students.
- Delivering a fully-featured, open-source development CI/CD pipeline on GitLab.

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 Arts and 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.