SID LACY

SECURITY ENGINEER, A.SC.

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EXPERIENCE

L4 Security Engineer (Internship) .... 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
- 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 .... 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*
- 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) .... 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*
- 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