Ava Thompson

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EDUCATION

Western State University   Phoenix, AZ
Bachelor of Science in Cybersecurity   GPA: 3.9 / 4.0
Minor in Computer Science   August 2022 – May 2026

- Relevant Coursework: Network Security, Ethical Hacking, Cryptography, Secure Software Development
- President of the "White Hat" cybersecurity club; team captain for regional CTF competitions.

EXPERIENCE

Security Engineer Intern   May 2025 – August 2025
Cyber Solutions Inc.   *Reston, VA*

- Developed Python scripts to automate vulnerability scanning and reporting using the Nmap and Scapy libraries.
- Performed penetration testing on web applications, identifying and documenting vulnerabilities such as XSS and SQL injection.
- Contributed to the development of a secure coding standard for the engineering organization.

PROJECTS

Network Intrusion Detection System   March 2025

- Built a signature-based NIDS in Python that monitors network traffic for suspicious patterns.
- Implemented packet sniffing and analysis capabilities using Scapy and created a ruleset to detect common attacks.

Password Manager   September 2024

- Created a command-line password manager in C++ that encrypts and stores user credentials securely using AES-256.

TECHNICAL SKILLS

Languages: Python, C++, Bash, Java, SQL
Security Tools: Nmap, Wireshark, Metasploit, Burp Suite, Scapy, Ghidra
Concepts: Penetration Testing, Vulnerability Assessment, Cryptography, SIEM, IAM
Libraries and Tools: Linux, Git, Docker, AWS (IAM, Security Groups), Active Directory