Sebastian Velazquez

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EDUCATION

Florida State University - Tallahassee, FL — December 2026
Bachelor of Science in Computer Science

Valencia College - Orlando, FL — December 2024
Center for Academic Excellence in Cyber Defense
Associate of Science in Cybersecurity and Network Engineering
Associate of Arts in Computer Science

Relevant Coursework: Windows Server Administration, Ethical Hacking, Cisco Networking, Network Automation, Linux Networking and Security, Red Hat Enterprise Linux
Current Coursework: Data Structures, Algorithms and Generic Programming I; Computer Organization, Discrete Mathematics I

TECHNICAL SKILLS

Programming Languages: C++ (Intermediate), C (Beginner), CSS (Beginner), JavaScript (Beginner), Python (Beginner)
Operating Systems: macOS, Microsoft Windows, Unix
Cybersecurity: Network & Security Infrastructure, Penetration Testing, Vulnerability Assessment, Technical Writing

CERTIFICATIONS

AWS Certified Cloud Practitioner CLF-C02 (2024), CompTIA Security+ SY0-701 (2025)

PROFESSIONAL EXPERIENCE

Valencia College - Orlando, FL — August 2023 – December 2023
Network Security Intern

- Designed and deployed a virtualized enterprise lab to simulate cyber threats, improving threat detection, vulnerability assessment, and incident response using tools like firewalls and intrusion detection systems (IDS).
- Enhanced network security and performance by troubleshooting infrastructure, monitoring traffic for anomalies, and conducting penetration testing, identifying security weaknesses and implementing proactive threat mitigation strategies.

PROJECTS

White-hat Penetration Test | Academic Project — July 2024

- Exploited 6 critical vulnerabilities via Nmap/Nessus scans and Metasploit/Hashcat, leveraging the EternalBlue/MS08-067 exploit to compromise Domain Admin access and cracked NTLM hashes across 6 hosts.
- Reduced the attack surface by 90% by proposing remediation strategies, like patch management, through a comprehensive 50-page technical report.

Blue Team Defense for Galaxy.quest Infrastructure | Academic Project — July 2024

- Hardened 5+ legacy Windows servers by eliminating duplicate NetBIOS names, enforcing 12-character passwords, and patching outdated systems that led to reducing the attack surface by 70%.
- Optimized network security via Cisco firmware updates, VLAN segmentation, and DHCP scope reduction, achieving 100% patch compliance and automated incident response aligned with NIST/OWASP standards.

Virtualized Enterprise Lab | Internship Project — October 2023

- Engineered a virtualized enterprise cybersecurity lab using pfSense and Security Onion (IDS/IPS/SIEM), achieving 95% faster threat detection and enabling real-time monitoring of Windows Server/Kali Linux/Splunk environments.
- Simulated attack vectors via Kali Linux exploits and vulnerable Linux machines, correlating logs in Splunk to refine incident response workflows and improve malware detection accuracy by 80%.