Joseph Posas

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Summary

Cybersecurity-focused Computer Science student with hands-on experience in vulnerability assessment, exploit automation research, and secure application development. Proven track record of mentoring 50+ students, conducting security research on 50+ technical papers, and developing enterprise-grade applications. Seeking challenging cybersecurity internship to apply technical expertise in threat analysis, penetration testing, and security architecture.

Education

University of North Carolina at Charlotte – Charlotte, NC — Expected Dec 2027
Early Entry Master of Science in Cybersecurity

University of North Carolina at Charlotte – Charlotte, NC — Expected May 2026
Bachelor of Science in Computer Science, Cybersecurity Concentration

Central Piedmont Community College – Charlotte, NC — May 2024
Associate's Degree in Computer Science

Honors & Awards: Latin Americans Working for Achievements Scholar (2025), STEM Tank Engineering Competition - 1st Place (2024), NC Space Grant Recipient (2024), Truist Honors Scholar (2023), Phi Theta Kappa Honor Society (2023)

Experience

Teaching Assistant, University of North Carolina at Charlotte – Charlotte, NC — Dec 2024 – Present
- Guide 50+ students in secure web development practices including DOM manipulation, AJAX implementation, and web security fundamentals (XSS prevention, input validation, secure authentication).
- Troubleshoot complex coding challenges in real-time, debug security vulnerabilities, and enforce accessibility standards and clean coding practices.
- Collaborate with lead instructor to develop curriculum materials on client-side security and asynchronous data handling best practices.

Research Assistant, University of North Carolina at Charlotte – Charlotte, NC — Sep 2023 – Dec 2024
- Conducted literature review of 50+ academic papers on formal exploit models and LLM-based automated exploit generation for IoT devices under Dr. Meera Sridhar.
- Analyzed vulnerability patterns, exploit primitives, and automated security frameworks to inform foundation of upcoming survey paper on AI-driven cybersecurity threats.
- Synthesized technical information on machine learning applications in penetration testing and vulnerability assessment.

Software Development Intern, Linxy – Charlotte, NC — Mar 2024 – Aug 2024
- Developed secure customer and admin dashboards in React with role-based access controls.
- Created Figma prototypes emphasizing secure UX/UI design and data visualization.
- Performed QA testing, resolving 15+ vulnerabilities and boosting engagement by 20%.

Technical Projects

Enterprise Network Security Infrastructure Design — 2024
- Architected network security solution for multi-location enterprise using Cisco Packet Tracer.
- Configured VLAN segmentation, ACLs, firewall rules, and WPA3 encryption to prevent unauthorized access and lateral movement.
- Implemented centralized security services including secure DHCP, DNS filtering, and network monitoring for threat detection.
- Created documentation for network topology, security policies, and incident response procedures.

Certifications & Technical Skills

Certifications: Mastercard Cybersecurity Job Simulation (2025), ISC2 Incident Response Certification, ISC2 Network Security Certification, Python Data Structures (University of Michigan/Coursera)

Cybersecurity: Vulnerability Assessment, Penetration Testing, Threat Modeling, Risk Assessment, Network Security, Incident Response, Security Architecture, Formal Exploit Modeling, IoT Security

Programming & Development: Java, Python, JavaScript, HTML/CSS, Swift, React, Secure Coding Practices, API Security, Database Security

Security Tools & Technologies: Wireshark, Cisco Packet Tracer, GitHub (DevSecOps), Burp Suite (Basic), OWASP Top 10, TCP/IP Protocol Analysis

Additional Tools: Figma, Xcode, Photoshop, Microsoft Office Suite, Linux, Windows Server, Active Directory (Basic)

Soft Skills: Technical Leadership, Cross-functional Collaboration, Research & Analysis, Technical Documentation, Bilingual (English/Spanish)