Joseph Posas

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Summary

Cybersecurity student with research experience in exploit automation and hands-on work in secure web development and QA testing. Mentored 50+ students in coding and web security, and reviewed 50+ academic papers on exploit modeling and AI-driven threats. Interested in internships where I can apply skills in threat analysis, vulnerability research, and network security.

Experience

Teaching Assistant, University of North Carolina at Charlotte – Charlotte, NC   Dec 2024 – Present
- Support 140+ students in learning web security fundamentals, including input validation, XSS prevention, and secure authentication.
- Help students debug code, troubleshoot errors, and reinforce accessibility and clean coding practices.
- Assist instructor in improving course materials on secure coding and web application security.

Research Assistant, University of North Carolina at Charlotte – Charlotte, NC   Sep 2024 – Dec 2024
- Reviewed 50+ academic papers on exploit automation and IoT security as part of undergraduate research under Dr. Meera Sridhar.
- Studied vulnerability patterns and exploit techniques to contribute to research on AI-driven cybersecurity threats.
- Participated in undergraduate research project (independent study) focused on exploring exploit automation and emerging security risks in IoT systems.

Software Development Intern, Linxy – Charlotte, NC   May 2024 – Aug 2024
- Built customer and admin dashboards in React, adding role-based access controls to strengthen security.
- Designed Figma prototypes for secure UX/UI and data visualization to guide development.
- Tested and fixed 15+ issues during QA, including security vulnerabilities, to improve reliability.

Technical Projects

Enterprise Network Security Infrastructure Design   Aug 2025
- Designed a multi-location enterprise network in Cisco Packet Tracer.
- Configured VLAN segmentation and router ACLs to secure interdepartmental traffic and enforce basic firewall policies.
- Documented network topology, security policies, and incident response procedures.

Education

University of North Carolina at Charlotte – Charlotte, NC   May 2027 (Expected)
Early Entry Master of Science in Cybersecurity

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

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

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: Network Security, Secure Web Development, Exploit Automation Research, Formal Exploit Modeling, IoT Security, Debugging and Code Review, Incident Response Documentation

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

Security Tools & Technologies: Wireshark, Cisco Packet Tracer, GitHub

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

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

Leadership & Honors: ALMA Vice President (2025), Latin Americans Working for Achievements Scholar (2025), STEM Tank Engineering Competition - 1st Place (2024), NC Space Grant Recipient (2024), Truist Honors Scholar (2023)