GABRIEL ZEPEDA

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PROFESSIONAL SUMMARY

Electrical Engineering graduate specializing in cybersecurity with intensive hands-on SOC operations training. Experienced in penetration testing, SIEM implementation, incident response, and threat detection. Engineering background provides unique perspective in hardware-software integration and embedded system vulnerabilities. Passionate about leveraging engineering principles to develop innovative security solutions.

TECHNICAL SKILLS

Programming & Scripting: Python, Java, SQL/PL-SQL, HTML, CSS, JavaScript, PowerShell, Bash

Security Tools: Splunk, Wireshark, Wazuh, Zeek, Suricata, Nmap, Metasploit, Hydra, Mimikatz, PsExec

Platforms & Virtualization: Docker, WSL, VirtualBox, VMware, Kali Linux, Parrot OS, Git, GitHub

Engineering Tools: MATLAB, AutoCAD, Arduino, PSpice, LabVIEW

Cybersecurity Concepts: SIEM Management, Penetration Testing, Incident Response, Threat Detection, Threat Hunting, Attack Vector Analysis, Vulnerability Assessment, Network Security, Digital Forensics, Log Analysis, Timeline Reconstruction, SOC Operations, Red vs Blue Team Methodologies

Other Skills: Team Collaboration, Project Management, Technical Documentation, Client Relations, Stakeholder Communication

PROJECTS

SOC Virtual Lab - Cybersecurity Training Environment
May 2025 - October 2025

- Deployed enterprise-grade virtual network lab with segregated environments (Linux, Windows, DMZ) and firewall infrastructure simulating real-world security architecture
- Configured SIEM solutions (Splunk/Elastic) for real-time log aggregation and threat detection, integrated with Wireshark, Wazuh, and Zeek for comprehensive security monitoring
- Implemented 8+ attack vectors including brute force, phishing, privilege escalation, lateral movement, ransomware, reconnaissance, and fileless attacks using industry-standard tools
- Conducted Red vs Blue team exercises and developed complete incident response workflows with forensics analysis, timeline reconstruction, and IR documentation

Blast Media Facility Design - Engineering Project Lead | Groton, CT
August 2021 - December 2021

- Designated point-man between military staff and multidisciplinary team to design and modernize blast media facility for U.S. military
- Contributed to layout and operational planning for helicopter paint stripping system meeting modern efficiency, safety, and environmental standards

NECA Website Development - Front-End Developer | Norwalk, CT
April 2017 - May 2017

- Developed landing page for Norwalk Early College Academy at neca.bright-moments.com, an IBM-funded program providing free college education to Norwalk high school students
- Collaborated with team to design responsive UI, implement HTML/CSS/JavaScript functionality, and deploy to live production server

EDUCATION

DAE Cybersecurity Training Program | Stamford, CT
May 2025 - October 2025

- Completed comprehensive 6-month program with 16 hours of in-class instruction per week in defensive and offensive security operations
- Built production-ready SOC Virtual Lab and implemented enterprise-grade SIEM solutions for log analysis and threat detection
- Executed comprehensive attack simulations and developed incident response procedures with detailed forensics analysis

University of Connecticut | Electrical Engineering | Storrs, CT

Studied electrical circuits, power systems, signals and systems, control theory, and embedded systems. Gained hands-on experience with industry tools including MATLAB, AutoCAD, Arduino, PSpice, oscilloscopes, multimeters, function generators, and LabVIEW for data acquisition and analysis.

Norwalk Community College | Computer Science | Norwalk, CT

Completed coursework in Web Development & Design, Database Development (SQL/PL-SQL), Internet Commerce Technology, and Software Applications.

WORK EXPERIENCE

Catholic Charities of Fairfield County - Community Outreach Worker | Stamford, CT
November 2023 - March 2025

- Managed daily meal delivery logistics for 250+ elderly and homebound clients across Stamford, Norwalk, and Darien
- Maintained detailed delivery logs and documentation for each client interaction
- Coordinated with team members to prepare accurate daily meal routes and ensure timely delivery

Home Renovation Specialist | Stamford, CT
January 2022 - November 2023

- Managed residential renovation projects including carpentry, framing, drywall installation, and electrical installations
- Coordinated project timelines, budgets, and client communications to ensure satisfaction and code compliance
- Measured and cut materials to exact specifications using power and hand tools

Home Depot - Pro-Desk Support | Stamford, CT
January 2018 - January 2021

- Assisted building contractors with placing and managing large-scale material orders
- Navigated proprietary Home Depot systems to create, pull, and finalize transactions
- Coordinated with warehouse and delivery teams to ensure timely fulfillment and resolved customer issues