G a b r i e l   Z e p e d a

Stamford, CT
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Professional Summary

Electrical Engineering graduate with a strong foundation in circuit design, power systems, control theory, and embedded systems. Experienced with hands-on lab work, collaborative engineering projects, and technical problem-solving. Adept in using industry tools such as MATLAB, AutoCAD, and Arduino. Passionate about developing innovative solutions that improve system efficiency and reliability. Eager to contribute engineering skills and a continuous learning mindset to a dynamic team.

Technical Skills

Languages & Tools: HTML, CSS, JavaScript, MATLAB, AutoCAD, Arduino
Concepts: Circuit Design, Control Theory, Embedded Systems, Web Development, Cybersecurity, Penetration Testing, SIEM, Networking
Other: Team Collaboration, Client Relations, Project Communication

Education

University of Connecticut, Storrs CT

Majored in Electrical Engineering

Studied electrical circuits with respect to modern 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, Norwalk CT

Majored in Computer Science

Took related Computer Science Courses:

- **Web Development & Design I & II** – Through objective based and team projects learning Advanced HTML, XML, CSS, and Javascript techniques
- **Database Development I & II** – Learning SQL and PL/SQL programming languages
- **Internet Commerce Technology** – Covers emerging online technologies and trends and their influence on the electronic marketplace
- **Intro to Software Applications** – A course which focuses on teaching simple basics such as using both Apple and Windows computers, Windows Office Applications as well as many other useful computer programs

Work Experience

Catholic Charities of Fairfield County - Community Outreach Worker

November 2023 – March 2025, Stamford CT

Main responsibility was making sure that the individual clients that were signed on to the program were provided meals on a daily basis, lunch and dinner. The clients who signed up were often the elderly or homebound.

- Delivered meals (lunch and dinner) daily to elderly and homebound clients
- Checked in on client wellness during each visit and reported safety concerns

- Maintained detailed delivery logs and documentation for each client interaction
- Coordinated with team members to prepare accurate daily meal routes
- Supported social workers by noting changes in client behavior or environment
- Built trusting relationships with vulnerable clients through consistent care and communication

Home Renovation Specialist

January 2022 – November 2023, Stamford CT

Home Renovator – Carpentry / Framing / Sheetrocking / Sanding / Painting / Appliance Installations / Landscaping.

- Constructed interior framing and installed drywall with precision and code compliance ensuring complete safety for my clients
- Performed sanding and painting to professional, finished quality
- Installed household appliances, fixtures, and basic electrical components
- Landscaped outdoor spaces, including lawn care, planting, and hardscaping
- Measured and cut materials to exact specifications using power and hand tools
- Communicated project timelines and budgets with clients to ensure satisfaction

Home Depot - Pro-Desk Support

January 2018 – January 2021, Stamford CT

Worked at the Pro Desk hand in hand with building contractors making sure that they received the materials they needed for their building projects. It was necessary to familiarize myself with the HD system in order to create, pull, and finalize requested orders.

- 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
- Resolved customer issues by researching product availability and pricing
- Educated customers on building materials, tools, and special order procedures
- Maintained up-to-date knowledge of construction inventory and seasonal products

Norwalk Community College - Front-End Developer

April 2017 – May 2017, Norwalk CT

Worked with my fellow students on a team to create a website for NECA (Norwalk Early College Academy), an IBM funded program geared towards providing Norwalk HS students a free college education.

- http://neca.bright-moments.com/
- Collaborated with a student team to plan and develop a full-featured website
- Designed user interface layouts and integrated responsive design elements
- Wrote HTML, CSS, and JavaScript code to build and enhance website functionality
- Communicated with stakeholders from NECA to gather requirements and feedback
- Deployed the website to a live server and tested for performance and usability
- Documented code and development process for future maintenance

Projects

DAE Cybersecurity Training Program

May 2025 – October 2025

Enrolled in a comprehensive 6-month cybersecurity training program offering adults an opportunity to learn backend coding and cybersecurity fundamentals. Selected the cybersecurity track to develop practical skills in defensive and offensive

security operations.

- Currently developing a SOC Virtual Lab for penetration testing and simulated attack scenarios
- Learning industry-standard SIEM (Security Information and Event Management) software for log analysis and threat detection
- Gaining hands-on experience with networking tools and protocols for security monitoring
- Studying attack vectors, exploitation techniques, and vulnerability assessment methodologies
- Understanding Red vs Blue team dynamics through practical exercises and simulations
- Building technical proficiency in security operations center (SOC) workflows and incident response

Blast Media Facility Design - Engineering Project Lead

August 2021 – December 2021, Groton CT

- Designated point-man between the military staff and a multidisciplinary team to design and modernize a blast media facility for the U.S. military
- Contributed to the layout and operational planning of a system used to strip paint from military helicopters prior to inspection and combat readiness
- Assisted in upgrading legacy systems to meet modern efficiency, safety, and environmental standards
- Supported coordination between contractors, engineers, and military stakeholders to ensure compliance with technical and regulatory specifications
- Helped streamline facility workflow to reduce maintenance downtime and improve equipment longevity

Skills

- Programming languages such as Python, SQL, Java, HTML, CSS
- Well versed in leading, planning, budgeting and managing projects
- Cybersecurity fundamentals including penetration testing, SIEM software, and attack vector analysis
- SOC operations and Red vs Blue team methodologies