Zyrrel Librodo

Programming & Cybersecurity / zyrrel-librodo.netlify.app / libroz1@unlv.nevada.edu

Skillset

Front End: HTML, CSS, Javascript, React
Back End*:* Assembly, *C++,* Node.js, Express, MongoDB
Other: Proxmox, Networking, Linux, Computer Hardware, Github, Homelab
Relevant Coursework: Data Structures & Algorithms, Systems Programming, Computer Organization, Cloud Computing, Computer Science I & II (C++), Calculus I & II, Discrete Math

Experience

Oct 2024 — Present — Link — *Layer Zero SysAdmin/Officer*
- *Conducted **hardware maintenance** and **managed virtualization using Proxmox** on Layer Zero's server infrastructure*
- *Secured the club's internet-facing services with **Cloudflare Zero Trust***
- *Developed **bash scripts** to automate the buildout of **CTF Ready Operating Systems***
- ***Built** MERN stack **web applications** for one of UNLV's cyber games infrastructure in order to provide an environment vulnerable for red-teamers and fixable by blue teamers*
- *Delivered workshops on cybersecurity topics including **Network Traffic Analysis, Cryptography, Windows 10 Malware Analysis, and LLM Exploitation** for audiences of **100+ members** through Layer Zero and WiCyS.*
- *Maintained and audited security for **10+ officers** by implementing **least privilege access** on all club software and physical room access*

2023 — 2024*— **Freelance Web Developer***
- ***Designed and developed 15+ static websites**, focusing on visual appearance and user-friendly interfaces for small businesses and developers using HTML, CSS, and Vanilla JavaScript*
- *Communicated closely with clients to translate ideas into functional websites tailored to their needs*

Projects

2025 — Link — ***Performed malware analysis on Windows 10 PE files** using both static and dynamic techniques. Generated SHA-256 hashes for quick identification and used FLOSS to extract strings, including URLs, IPs, and file paths. Investigated network indicators with Wireshark and TCPView, and monitored system activity with ProcMon to detect os-level changes and system modifications.*
2024 — Link — ***Engineered a fully responsive cryptocurrency website** that integrates real-time data from the CoinGecko API. Utilized the Fetch API alongside HTML, CSS, and Vanilla JavaScript to deliver an interactive and engaging user experience*

Education

B.A. Computer Science — UNLV — **Major GPA 3.7 / 4.0** — **Graduation: December 2026**