Carson Webster

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EDUCATION
University of California, Santa Cruz Santa Cruz, CA
Bachelor of Science (B.S.) in Computer Science (GPA: 3.4)   *Graduated: June 2023*
Minor in Technology Information Management

CERTIFICATES
- CompTIA Security+   *Issued for: July 2023 - July 2026*

EXPERIENCE
Lead Tutor
Code Ninjas, Chula Vista   *February 2019 - January 2020*
- Lead tutor in after school computer science game development program for children aged 7-14.
- Managed day to day store operations with my team.
- Summer camp lead teacher holding programming classes and other STEM activities.
- Developed prototype of a new pathway progress tracker used to notify us if a student beings to fall behind in curriculum.

Lifeguard and Swim Instructor
City of Chula Vista   *November 2017 - January 2019*
- Enforced pool safety rules, preformed rescues when required, and other operational tasks.
- Held swim classes with children 4-12 creating a fun, educational, and safe pool classroom environment.

PROJECTS
ResumeWizard.tech
Web App - (Typescript, SvelteKit)   *February 2023 - June 2023*
- Developed a full stack Sveltekit application allowing users to optionally login and enter resume information. Resume information is grammar corrected and touched up with OpenAI's GPT API and then neatly exported to a LaTeX formatted resume.
- Cruzhacks 2023 hackathon category winner

Yowerz Security Suite
Golang - CLI Application   *September 2023 - Current*
- Developed a multifunctional Golang command-line tool, YowerzSecSuite, featuring password strength analysis and base64 encoding/decoding, with plans for additional modules, including a TCP scanner/spoofer and a packet logger/spoofer.
- Demonstrated versatility and adaptability in software development by creating a modular tool capable of addressing a variety of cybersecurity and penetration testing challenges.
- Contributed to the cybersecurity community with an extensible tool that combines existing functionalities with planned features like a bytecode generator and a command and control center.

OpenAI-GUI
Native App - (Typescript, Sveltekit, Tauri, Rust, Trunk)   *October 2022 - December 2022*
- Developed a cross platform native application to configure and query requests from OpenAI API models in a chat like conversation format with persistent local storage.

SKILLS
Programming Languages: Python, TypeScript, Rust, C, HTML, Bash + Powershell
Tools: React.js, SvelteKit, Tailwind, Docker, Git, Unix (NixOS, Debian, Arch), Nmap, Burpsuite, Metasploit

RELEVANT COURSEWORK
Computer Networks: TCP/IP, UDP, HTTP, TLS, DNS, Web Caches, Cookies, Sockets, NAT, Subnets
Computer Systems: Concurrency, Interrupts, CPU Scheduling, Memory Management, Paging, Filesystems
Software Engineering: React.js, Svelte, Node.js, Saas, Scrum, Agile Development Methodology, Unit Testing
Computer Architecture: ISA, Cache Coherence, Pipelining, Virtual Memory, Multi-Processing, Multi-Threading