

CARSON WEBSTER

carsonwebster.com

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Education

University of California, Santa Cruz

Sep. 2019 – June 2023

Bachelor of Science in Computer Science, minor in Technical Information Management

Santa Cruz, California

Certifications

Active Secret Security Clearance: February 2024

CompTIA Security+: June 2023 - 2026

Relevant Coursework

- Data Structures
- Algorithms Analysis
- Artificial Intelligence
- Systems Design
- Web Applications
- Database Systems
- Computer Architecture
- Technical Writing

Experience

Science Applications International Corporation

November 2023 – Present

IT Service Desk Analyst

San Diego, California

- **Rapid Technical Support:** Provided swift and accurate tech assistance via various channels, resolving hardware, software, and network issues.
- **Customer-Centric Communication:** Fostered strong client relations, guided users through issue resolution, and collaborated with specialists for complex cases.
- **Operational Support:** Streamlined departmental operations by managing documents, conducting system tests and updates, and ensuring smooth support workflows.

Code Ninjas

February 2019 – January 2020

Lead Tutor

Chula Vista, California

- Lead tutor in after school computer science game development program for children aged 7-14.
- 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 begins to fall behind in curriculum.

Projects

ResumeWizard.tech | *Resume formatting assistant with LaTeX exporting and OpenAI integration*

June 2023

- Orchestrated a full stack Sveltekit application allowing users to optionally login with OAuth, create, and store resumes.
- Information is grammar corrected and touched up with OpenAI's GPT API and then neatly exported to LaTeX.
- Node server is sitting on a Linode cloud VPS next to Pocketbase service, both behind Nginx reverse proxy.
- Cruzhacks 2023 hackathon category winner

RustGuard | *High-Performance Intrusion Detection System*

February 2024 - Current

- Implemented a robust packet capture and analysis system in Rust using the pcap crate, ensuring efficient and secure network traffic monitoring.
- Developed a seamless and user-friendly interface for configuration and monitoring, utilizing SvelteKit for the web-based frontend and Tauri for the native desktop application.

Technical Skills

Languages: TypeScript, C, HTML/CSS, Rust, GoLang, Python, Bash, Powershell, SQL

Developer Tools: VS Code, NeoVim, Docker, Git, Google Cloud Platform, Amazon Web Services, Linode

Technologies/Frameworks: Linux, GitHub, Jenkins, Jira, React/Next, Svelte/Sveltekit, Metasploit, Burp Suite

Extracurricular

Slug Security

Winter 2022 - Spring 2023

Member

University of California, Santa Cruz

- Played a key role in Slug Security's success, including a 2nd place finish in MITRE's 2023 Capture the Flag competition and UC Santa Cruz's 3rd place win in the 2022 NSA Codebreaker Challenge.
- Contributed to UCSC's 9th place finish in the 2022 CyberForce Competition as a member of Slug Security, showcasing teamwork and dedication to cybersecurity goals.