# Carson Webster

Santa Cruz, CA | carsonwebster@hotmail.com | carsonwebster.com

## EDUCATION

**University of California, Santa Cruz**                                           **Santa Cruz, CA**
*Bachelor of Science (B.S.) in Computer Science (GPA: 3.3)*                *Graduated: June 2023*
*Minor in Technology Information Management*
- *Cruzhacks 2023 winner*

## EXPERIENCE

**Lead Tutor**                                                     **Chula Vista, CA**
*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**                             **Chula Vista, CA**
*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.com](ResumeWizard.com)
*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

### [CarsonWebster.com](CarsonWebster.com)
*Static Web Page - (Hugo)*                                 *May 2022 - Current*
- Hosting a personal portfolio and blog static site.

### 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, Node.js, Tailwind, Docker, Git, Unix (NixOS, Debian, Arch)
**Certificate:** CompTIA Security+, Google Cybersecurity

## 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