

# ELI

## SOFTWARE ENGINEER

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### SUMMARY

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A driven Computer Science student with proven experience developing high-performance, full-stack web applications in rust. Eager to apply a deep understanding of systems programming and a passion for building impactful software.

### EDUCATION

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**Southwestern Community College | Chula Vista, CA**

Associates of Science in Computer Science | Expected May 2026

- Data Structures & Algorithms, Object-Oriented Programming, Computer Architecture, Discrete Mathematics

### SKILLS

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- **Back-End & Cloud:** Rust (Axum, Shuttle-rs), Python, PostgreSQL, NodeJS
- **Front-End:** JavaScript, TypeScript, React, HTML/CSS, Leaflet.js,
- **Developer Tools & Platforms:** Docker, Git, GitHub, AWS (Familiarity), CI/CD (Netlify, Shuttle-rs)

### PROJECTS

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**Until Every Cage is Empty (Open-Source Mapping Application) [Live Demo](#) | [GitHub Repo](#)**

- Engineered a high-performance RESTful API in Rust using the Axum framework to serve over 22,000 data points to a global user base of activists and researchers.
- Developed a dynamic front-end with Vanilla JavaScript and Leaflet.js to create an interactive map visualization, receiving contributions from the open-source community.
- Implemented Python scripts for data cleaning, processing, and standardization to ensure data integrity.

**Electron CPU (8-Bit Computer, Assembler, and Emulator) | [GitHub Repo](#)**

- Designed and built a custom 8-bit CPU from the ground up using logic gates in an electronics simulator, complete with a custom instruction set and custom architecture.
- Developed a corresponding assembler and emulator in Rust, to convert custom assembly language into machine code, demonstrating a deep understanding of low-level systems programming.
- Created a VS Code extension for syntax highlighting to improve the development workflow for the custom assembly language.

### PROFESSIONAL EXPERIENCE

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**Computer Repair Technician, Elite Computers**

**Aug 2024 - Present**

- Systematically diagnosed and resolved complex hardware and software issues for a diverse client base, applying logical troubleshooting methodologies to identify root causes.
- Communicated technical solutions effectively to non-technical clients.

**Detailing Professional | Bonita Mobile Detailing (Founder) [Website](#) | [Google](#) Sep 2024 - Aug 2025**

- Launched and operated a self-started service business, managing the entire client lifecycle from marketing, initial consultation and quoting, to final service delivery.
- Applied meticulous attention to detail during multi-step processes to ensure a flawless, high-quality result for every client.

### AWARDS & ACHIEVEMENTS

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- AP Computer Science Exam: Passed with highest possible score (5) - Self Studied
- Sweetwater District Honors Band: Selected for a highly competitive, audition-only ensemble for six consecutive years; earned the title of First Chair Trumpet for two years, leading a section of 15+ musicians.