Evan Asakawa
evanja57@gmail.com • linkedin.com/in/evan-asakawa • San Diego, California (Open to relocate)

Summary

Software Engineer with full-stack web development experience, strong systems-level skills in C++/Linux, and a track record of delivering production-quality code in Agile teams

---

Education

B.S. in Computer Science, Minor in Statistical Science
University of California, Santa Barbara • June 2025 • GPA: 3.83

Relevant Coursework

Graduate Operating Systems • Databases • Computer Security • Programming Languages • Computer Networking • Quantum Computing • Advanced Applications Programming

---

Technical Skills

Programming: C, C++, Python, Rust, Java (Spring Boot), JavaScript (React), SQL
Practices: Agile, CI/CD, Git, Unit/Integration/End to end testing, REST APIs

---

Projects

Course Web App

- Led development of React UI and Spring Boot backend in a 6-member Agile team
- Developed a React component to visualize historical grade distributions in a clear, interactive chart, solving the need for an intuitive way to compare past course performance and helping our project be selected as the best-in-class solution for production deployment
- Integrated CI/CD pipelines, PostgreSQL & MongoDB, and robust testing practices

FUSE-Based File System

- Designed and implemented a FUSE-based SysV file system in C++ for Ubuntu 20.04, emphasizing efficiency, robust error handling, performance, and scalability.
- Optimized disk I/O through caching mechanisms, enhancing file access speed and overall system performance.

Linux-like Operating System

- Collaborated on developing an asynchronous, multithreaded OS in C, integrating process management and inter-process communication.
- Developed low-level synchronization primitives and utilized GDB for debugging, significantly reducing concurrency issues and increasing reliability.

C++ Compiler

- Created a functional compiler for a simplified C/Rust-like language using C++17, leveraging modern memory management and comprehensive unit testing.
- Designed lexing, parsing, and code generation modules that translated source code into optimized x86-64 assembly instructions.