

Aryian Jones

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EDUCATION

University of San Francisco

Bachelor of Science Major in Computer Science

San Francisco, CA

June 2021 - December 2025

Relevant Courses: C & Systems Programming, Data Structures and Algorithms, Full-Stack Web Development, Software Development, Computer Architecture, Programming Language Paradigms, Operating Systems

EXPERIENCE

Path, Frontend Engineer Intern

January 2025 - December 2025

(React, Node.js, MongoDB, Express, Python, OpenAI, Heroku, Firebase, Selenium)

- Frontend Engineer for an emerging career development startup. Developed a dynamic web application using React and Tailwind CSS for a sleek, responsive user experience. Collaborated closely with a UI designer. Implemented custom RESTful APIs. Tested using Selenium and hosted on Heroku.

PROJECTS

Wordle (Java)

- Recreated the popular *New York Times* game Wordle for the terminal, focusing on smooth gameplay, accurate word validation, and a scoring system.

Web Crawler (Go, SQLite)

- Built a mock web crawler in Go to simulate web scraping by recursively exploring pages, parsing links, and retrieving content. Integrated *httptest* for testing, handled dynamic content and errors, and followed SaaS best practices, including code reviews.

RISC-V Emulator (C)

- Designed and implemented a RISC-V emulator in C to simulate the architecture and execute machine-level instructions. Emphasized accurate instruction decoding, memory management, and register operations.

Custom OS (C)

- Developed a custom operating system from scratch, implementing core components such as a bootloader, kernel, memory management, and basic I/O handling using C and x86 assembly.

University LLM Curation (Go, ChromaDB, OpenAI)

- Created an LLM-powered system to answer user questions about upcoming university courses with precision and context, streamlining the registration process.

VOLUNTEER

Mentor Collective, Mentor

March 2024 – May 2024

- Mentored a first-year Computer Science student, offering guidance on networking, participating in CS-related events, and tackling common academic challenges.

SKILLS

Java, Python, C/C#, HTML, CSS, JavaScript, React, Haskell, Go, SQLite, PHP, UI/UX Design, Selenium, MongoDB, RISC-V, Firebase, MS Office, Teamwork, Communication, Git, Docker, Angular, jQuery, Circuits, Data Structures and Algorithms, Figma, Adobe After Effects, Adobe Photoshop