Chu Yi Aaron Herr

Fresno, CA 93722 | (599) 908-8784 | heraaronhotmail@yahoo.com | https://www.linkedin.com/in/aaron-her
https://github.com/SpinnerX

OBJECTIVE: Software Engineer in Embedded Systems who is seeking experiences and opportunities with Embedded Systems.

EDUCATION

B.S., Computer Science   May 2025

San Francisco State University, San Francisco, CA

A.S., Computer Science   May 2023

Clovis Community College, Clovis, CA, GPA: 3.13

TECHNICAL SKILLS

Programing - C, C++, Java

 Scripting - Python, Unix, Linux Scripting

 Skills - Software Design Patterns, Agile, Scrum methodologies, Concurrency development, compile-time optimization, computer architecture, Operating Systems

 OS Familiarity: Unix, Linux, Windows

WORK EXPERIENCE

University of California Berkey, Berkeley, CA   September 2022 - Present
- Worked for the Advance bio-imaging center at UC Berkeley to develop applications using modern C++ along with the QT framework.
- Role involved working on problem solving and handling errors, such as race conditions with sub processes in a multi-threaded environment.
- Part of my role involved myself in scheduling meetings which allowed me to showcase my ability to work independent.
- Effectively communicating with mentor at meetings about release dates and deadlines, showcasing my ability to manage my time.

PROJECT EXPERIENCE

6502 CPU Emulator | Personal Project   Spring 2023 - present
- Implementing an 8-bit CPU the 6502, including the fetch, decode, and executing cycles.
- Utilizing the 6502-microprocessor datasheet.
- Control flow of how mnemonic opcodes work, including how instructions fetch specific opcodes to do specific operations.

Algorithm Visualizer   Spring 2023
- Implemented a visualizer using C++, to visualize graph theory algorithms.
- Learning about using mixtures of specific algorithms in use with graph theory, to visualize solving specific problems.