Brian Sand

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Newark, DE | My LinkedIn, My Website

EDUCATION

University of Delaware   Newark, DE
Bachelor of Computer Engineering   May 2028
Minors: Jewish studies and language
GPA 3.389

Charter School of Wilmington   Wilmington, DE
High school diploma   June 2024

SKILLS

- Java
- C
- Python
- Linux
- VHDL
- FPGA programming
- Embedded Systems Design

RELATED EXPERIENCE

Projects:

- *RV32 prototyping board:* A custom made PCB design for a RISC-V(rv32) prototyping board using an FPGA flashed with a custom made rv32 softcore design. The design supports all of the base instructions of rv32. The board can be connected to a computer over USB, and from there the user can upload rv32 machine code for the board to run.
- *RISC-V assembler:* A work in progress assembler for RV64 assembly language. Writes instructions to an ELF object file once finished parsing instructions. Written entirely in C and uses a Linked List to store instructions.

ADDITIONAL EXPERIENCE

Employment History:

- *Acme Markets, Wilmington DE, Front end employee, 08/2023-08/2024*

Front end employee at grocery store, where I worked the cash register, managed self checkout, and assisted shoppers with questions. I also stacked shelves and helped maintain a clean and safe environment. My friendly and efficient customer service was recognized with a customer satisfaction award after one year of employment.

- *Ingleside Assisted Living, Wilmington DE, Dietary Aid, 05/2022-07/2023*

I worked in the kitchen and dining hall, preparing for the residents and taking their food orders. I enjoyed working there and helping out the residents. The residents also really liked me, and we would spend a lot of time simply talking with each other.