

MICAH ZENON UMPA GALOS

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EDUCATION

University of California, Riverside

Bachelor of Science in Computer Engineering

Riverside, CA

Jan. 2019 – Dec 2021

Riverside City College

Associate of Science in Computer Science and Mathematics

Riverside, CA

Aug. 2014 – Dec 2018

RELEVANT COURSEWORK

- **Undergraduate:** Logic Design, Design & Architecture of Computer Systems, and Intro to VLSI Design, Design of Operating Systems, Concurrent Programming & Parallel Systems, Intro to Embedded Systems, and Sensing & Actuation for Embedded Systems, Intro to Machine Learning & Data Mining, Electronic Circuits, Solid-State Electronics, and Compiler Design

TECHNICAL SKILLS

Coding Languages: C/C++, Java, Verilog, Python

Tools: Git, VSCode, Vim, Xilinx ISE, Synopsys Design Tool, Cadence

Technologies: Arduino, Raspberry Pi

JOB EXPERIENCE

Micro Center

Customer Service Representative

Tustin, CA

October 2022 – Present

- Managing balance between different tasks such as item checkout, customer support, and merchandise restock.
- Actively listening to issues from varying customers and finding a solution to their stress.
- Able to find areas of improvement by taking initiative of productivity at item checkout.
- Adapting to the functions of different products outside of my knowledge in gaining knowledge about the items.
- Constantly improving customer service routines towards customers based on feedback from managers.

PROJECTS

University of California, Riverside

Riverside, CA

4-Way Traffic Light | Xilinx ISE, Verilog

- Developed the behavioral module code for the FPGA board to simulating a four-way traffic light.
- Designed the state diagram to simulate the behavior when a button is pressed during moving traffic.
- Created the circuit schematic to show the connection between controller and datapaths into the FPGA
- Implemented test benches to verify button presses at different timings of traffic.

Linux Shell Emulator | Vim, Linux, Git, C++

- Developed a Linux based terminal emulator designed to run various Linux commands.
- Implemented unit tests to check working functions using the Google Mock Test.
- Implemented integration tests to check the entire program on Linux via bash scripts of linux commands contained in text files.

Compiler: Java to MIPS | VSCode, Linux, Java

- Remotely communicated with team in structuring and developing the program using Java.
- Assign tasks between small and big priorities to maintain productivity in developing each feature of the program.
- Composed of tasks in type-checking, code generation, register allocation, and instruction selection
- Expanded code on existing visitor classes to parse and generate the compiler's syntax tree.
- Implemented integration tests of various Java programs in stressing the program's implementation.