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MICAH GALOS

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Links

[LinkedIn](#)

[GitHub](#)

[Website](#)

EDUCATION

Riverside, CA	University of California, Riverside	January 2019 – December 2021
B.S. in Computer Engineering		
<ul style="list-style-type: none"> Undergraduate Coursework: Operating Systems; Comp Sys. Architecture; Embedded Systems; VLSI Design; Logic Design; Software Construction; Compiler Design Senior Project; Concurrent Programming and Parallel System; 		
Riverside, CA	Riverside City College	August 2014 – December 2018
A.S. in Computer Science and Mathematics		

WORK EXPERIENCE

Volunteer	Kaiser Permanente	June 2013 – June 2014
Post Anesthesia Care Unit		
<ul style="list-style-type: none"> In-person informational computer front desk assistance. Cooperated with nurses and secretaries managing schedules and moving medical equipment. 		

ACADEMIC PROJECTS

Riverside, CA	University of California, Riverside	January 2019 – December 2021
Two Person Teams		
Four-Way Traffic Light - Verilog		
<ul style="list-style-type: none"> Implemented and co-designed utilizing an FPGA programmable board to simulate a traffic light in a four-way stop. After a few seconds, the direction of traffic changes when an LED signal is shown. 		
Remote Shell for Linux – C++		
<ul style="list-style-type: none"> Co-designed a Linux based terminal emulator designed to run programs given Linux command inputs. Each input is a potential Linux command which is checked to be syntactically correct and perform its instruction. 		
Solar Tracker – C		
<ul style="list-style-type: none"> Implemented and co-designed by utilizing a FRDM-K64F development board to program a sensor to face where the sun emits the highest amounts of light via photoresistors and servomotors. 		
Java to MIPS Compiler - Java		
<ul style="list-style-type: none"> Implemented and co-designed a four phase Java to MIPS assembly-language compiler composed of type-checking, code generation, register allocation, and instruction selection. Compiler takes in .java files as an input and checks the file is syntactically correct to be runnable code. 		

TECHNICAL SKILLS

Technologies

Programming Languages: C++; Java; C; Python; Verilog;

Editors: Vim; Visual Studio Code; Microsoft Visual Studio; Kinetis Design Studio; Xilinx Vivado;

Operating Systems: MacOS; Windows 10; Linux (Ubuntu Distro)

Productivity: Notion; Trello;

Communication: Slack; Zoom; Microsoft Teams; Discord;