Jesse Jensen

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EDUCATION

UTAH STATE UNIVERSITY   Logan, UT
B.S., Computer Engineering; Computer Science minor, Mathematics minor   Fall 2018
- Maintained 3.24 GPA while working 25+ hours per week

RELEVANT SKILLS AND EXPERIENCE

Programming – view projects at jensenjesseh.github.io
- Proficient in C, C++, Assembly (x86, MIPS, ARM), Verilog, VHDL, Python, and JavaScript
- Constructed programs in C and assembly language for ARM microcontrollers that employed peripherals such as LCD screens, touch screens, and synchronous/asynchronous serial interfaces
- Created an input-corrective drawing tablet for those with disabilities that corrects shaky input and uses machine learning (Tensorflow) to classify text
- Carried input-corrective drawing tablet project through development lifecycle, including stakeholder requirements, design, implementation, and testing
- Programmed a robot, in a team of 2, with a port of OSEK to race through an obstacle course, receiving 1st place in a class of 37 contestors

PCB Electronics Engineer Intern, Prismview Electronics
- Tested power supplies, printed circuit boards (PCB), and other hardware using lab instruments including the oscilloscope, multimeter, and function generator
- Created and updated Bill of Materials for new PCB product structures

Analog and Digital Circuits
- Planned, designed, employed, and troubleshooted microcontroller circuits to communicate over I2C, UART, and SPI protocols (programmed in ARM assembly and C)
- Created a brick-breaker videogame using an FPGA with VHDL

Communication & Interpersonal
- Planned, organized, and executed events for 60 - 800 college students by finding and coordinating with sponsors, team members, and outside organizations while working for USU Housing

RELATED COURSES

- Computer Graphics
- Operating Systems and Concurrency
- Computer System Programming
- Computer Architecture

- Real-Time Embedded Systems
- Algorithms and Data Structures
- Microcontrollers (course and lab)
- Technical Communication

Software and Operating Systems   Linux, GitHub, MS Visual Studio, Altium, LTSpice, Windows

WORK & LEADERSHIP HISTORY

Institutional Repository Operative, USU Merrill-Cazier Library, Logan, UT, 08/15 – 12/18
PCB Electronics Engineer Intern, Prismview Electronics, Logan, UT, 02/2017 – 08/2017
Resident Assistant, USU Housing, Logan, UT, 08/15 – 05/17
Full-Time Volunteer, Religious, Utica, NY, 05/12 – 05/14