

Collin Marlowe

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Education

UTAH STATE UNIVERSITY

Bachelors of Computer Engineering

Relevant Coursework: Embedded Systems, Real Time Systems, VLSI Design, VLSI Testing and Verification, Computer Architecture, Computer Programming, Electrical Circuits.

Logan, UT

May 2023

BLACKFOOT HIGH SCHOOL

Graduate

Blackfoot, ID

May 2019

Experience

BELCAN

FPGA Developer

Platteville, WI

May 2023 – Apr 2024

- Accomplished tasks throughout the development life cycle including: planning, defining requirements, design, implementation, testing, and results documentation.
- Tested and verified hardware designs, following requirements based testing practices.
- Communicated between Hardware/Software team members and leadership to support project goals for end customers.

JUNIPER SYSTEMS

Electronics Assembler

Logan, UT

Jul 2020 – Dec 2021

- Responsible for the assembly of Junipers tablet computers, emphasizing quality work for the end customer.
- Assisted on other parts of the assembly line when needed, including a thorough final inspection of the entire assembled tablet and packaging our tablets with the appropriate accessories.

Skills & Interests

Technical: Programming in C++ on the OS and Embedded Systems level. Scripting in Python and Bash. Embedded Systems. Linux operating system. Virtual Machines. Communication protocols: I2C, SPI, UART, ARINC-429. Designing and testing hardware in SystemVerilog, Verilog, and VHDL. Git version control. Soldering surface mount and through hole components. Web Development.

Projects: Please visit my personal website above for a comprehensive view of my personal projects.

Interests: Backpacking, Hobby Electronics, and Building Computers.