Collin Marlowe

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Education

UTAH STATE UNIVERSITY   Logan, UT
Bachelors of Computer Engineering   May 2023
Relevant Coursework: VLSI Design, VLSI Testing and Verification, Embedded Systems,
Computer Architecture, Microcontrollers, Computer Programming, Electrical Circuits.

BLACKFOOT HIGH SCHOOL   Blackfoot, ID
Graduate   May 2019

Experience

BELCAN   Platteville, WI
FPGA Developer   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   Logan, UT
Electronics Assembler   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++ and Python. Designing and testing hardware in SystemVerilog, Verilog, and VHDL. Embedded Programming. Linux operating system. Virtual Machines. Communication protocols: I2C, SPI, UART, and ARINC-429. DO-254 Specification. 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, Oil Painting, and Building Computers.