

**Collin Marlowe**

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**Education**

**UTAH STATE UNIVERSITY**

Bachelors of Computer Engineering

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

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. Systems Administration. Scripting in Python, Bash and Powershell. Embedded Systems. Machine Learning. Web Development. Linux operating system. PCB Design. Virtualization. Designing/Testing hardware using Hardware Description Languages. Git version control. File encryption and compression. FFmpeg Video Encoding with codecs: AV1, VP9, H265, H264. Multimedia Formats/Codecs. Soldering SMT and through hole components.

**Languages:** C++, C, C#, Python, Bash, Powershell, VHDL, Verilog, SystemVerilog, ADA, MATLAB, HTML, CSS, Javascript.

**Programs:** Visual Studio, Git, Docker, Apache, SSH, UFW, Cron, FFmpeg, Office Products.

**Operating Systems:** Debian, Ubuntu, Windows.

**Creative:** Vector Graphics. Photo/Video Editing & Correcting. Photography. Raster Graphics.

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

**Interests:** Backpacking, Photography, Hobby Electronics, and Computers.