

Collin Marlowe

business@collinmarlowe.com • (608)-331-7513 • collinmarlowe.com

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 (AI). Web Development. Linux operating system. Virtualization and Containerization. Designing/Testing hardware using Hardware Description Languages. Git version control. Databases. PCB Design. 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, SQL, LaTeX.

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.