Emma Montgomery

www.linkedin.com/in/e-montg   **(435)-237-1068**   emma_montgomery@outlook.com

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EDUCATION

Bachelor of Science, Computer Engineering   May 2025
Utah State University   Logan, UT
- Minor in Mathematics and Computer Science
- Maintained a 3.58 GPA while working 25 hours a week

RELATED COURSEWORK

Computer Science 1 & 2   Fall 2020-Spring 2021
- Learned problem-solving while programming in C++

Digital System Design   Spring 2022
- Learned how to design more complicated FPGA programs

Techincal Communication for Engineers   Spring 2023
- Learned how to write and format technical documents

Circuits   Spring 2022-Fall 2023
- Studied electrical circuits design, circuit theory, circuit analysis with AC and DC power

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TECHNICAL SKILLS

Python	C/C++	Latex	Java	Verilog	Javascript	HTML	Forklift

WORK EXPERIENCE

U Haul Storage and Moving, Ogden UT - *Customer service representative*   June 2021 -Current
Working with customers in person and over the phone helping them rent trucks and trailers. Doing safety checks on all of the equipment in between every rental.

USU Marketplace, Logan UT -*supervisor*   Aug 2020 - October 2022
Taking responsibility for making sure the machine is working properly. Help maintain a productive workplace among all the employees. Coordinating with all the sections of the kitchen to insure the dishes are clean and done in a timely manner.

PROJECTS

The game Simon says on an FPGA board, Using Verilog and a Basys board.
An audio synthesizer on an FPGA board, Using Verilog, a Basys board, and an audio amplifier module with a team.
Built a sudoku board generator and solver using a backtracking algorithm and C++
Wrote a design proposal for a system engineering project with two other teammates

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EXTRACURRICULARS

Society of Women Engineers -*Member*   Sept 2021 -Current
Involved with outreach to elementary students, also with helping with the professional development and the outreach committee

Aggie Thrive Program   Aug 2022-Current
Worked with other students to organize two different service projects and a university event