

SHELBY WESTERBERG

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EDUCATION

Oregon State University

Bachelors of Science, Electrical and Computer Engineering
College of Engineering

Expected June 2022

Overall GPA: 3.96

TECHNICAL SKILLS

Computer Languages: C/C++, Python, MATLAB, LaTeX, System Verilog
Software: ModelSim, Altera Quartus, LTspice, EAGLE
Tools: Soldering Iron, DMM, FPGA
Second Language: Intermediate level Spanish

EXTRA CURRICULAR

Adaptive Technology Engineering Network at OSU

September 2019 - present

View at <https://groups.engr.oregonstate.edu/aten/leafs/home>

- LEAFS is a youth STEM camp custom tailored for Corvallis area 6-12th graders with disabilities
- Taught at the most recent LEAFS event
- Currently serving as the elected LEAFS coordinator for the upcoming virtual edition of the camp

Code With Me, Salem OR

June 2020 - November 2020

View at <https://code-with-me.com/team/>

- Code With Me is a small group, interactive coding class for k-8 students
- I served as an instructor for an advanced class of Code With Me
- I taught Python and Scratch to a groups of 4-6 students ages 10-12 through live, online classes

PROJECTS

Digital Logic Design Project

April 2020 - June 2020

View at <https://github.com/swesterberg/Project-showcase>

Collaborated as part of a 4 person team to program an FPGA to be able to decode input from two sources, an infrared receiver and an NES controller, and generate outputs formatted to control a small speaker and an RGB LED light. We programmed the board using Altera Quartus and SystemVerilog, and tested both our small design units and full project using ModelSim.

Jr. Design Timer Project

January 2021 - March 2021

View at <https://eecs.oregonstate.edu/project-showcase/projects/?id=YX5xgt3tkgle11Y5>

Worked independently with the guidance of a mentor to design and build a Pomodoro Timer which met the specifications given at the beginning of the project. Designed and used a custom PCB using EAGLE software as part of the timer implementation.

WORK EXPERIENCE

Thai Chili Corvallis

September 2019 - March 2020

Hostess

WinCo Foods South Salem

August 2018 - September 2019

Courtesy clerk