

Alex Greiner

503-949-2612 | AlexGreiner81@gmail.com

GitHub: <https://github.com/AlexGreiner123/Personal-Projects.git>

Education

Bachelor of Science, Electrical and Computer Engineering

Expected June 2022

Oregon State University, Corvallis, OR

GPA: 4.0/4.0

Work Experience

Popcorn Fetti

Assistant Manager

October 2015 - Present

- Monitored Stock to Ensure the Production and Quality of Over Seventy Menu Items
- Forecasted Sales Through Sales Trends to Appropriately Staff Operations
- Planned, Designed, and Staffed Marketing Events Which Result in a 30% Increase in Company Revenue
- Created Excel Spreadsheets for Company's Yearly Sales and Expense Reports

Volunteer Work

Friends of Family Farmers

March 2019

- **Purpose:** Ensure the Future of Small, Family Owned Farms in Oregon
- **Action:** Prepared and Delivered Meals to Congress Members at the Oregon State Capital with Lobbying Intent

City of Keizer

November 2018

- **Purpose:** Protect Houses Bordering the Willamette River from Rising Water Levels
- **Action:** Removed English Ivy from the Base of Trees on the Willamette Riverbank, Extending Said Trees' Lifespan and Preventing Soil Erosion

Skills

- **Languages:** C, C++, Java, MATLAB, SystemVerilog, VBA
- **Software:** ModelSim, LTspice, Quartus Prime, Microsoft Excel
- **Tools:** Soldering, Oscilloscope, Function Generator, Voltmeter
- **General:** American Sign Language, Detail Oriented, Punctual

Projects

Field Programmable Gate Array Based Reaction Timer

August 2020

- Goal: Take an Input from an NES Controller to Gauge the Reaction Time of the User Through the Display of a Series of Ten Randomly Generated Colors
- Utilized NES Inputs Through the Implementation of a Serial-to-Parallel Shift Register
- Designed and Implemented a Random Color Generator Outputted to an RGB LED and VGA Display
- Accurately Displayed Reaction Time in Milliseconds Through Six Seven-Segment Displays by Utilizing an Internal Clock.