

Gabriel Schafman

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OBJECTIVE To broaden my knowledge in the field of electrical engineering and gain work experience from industry leading companies. Experienced with problem solving and troubleshooting electrical circuits.

EDUCATION *Bachelor of Science, Electrical and Computer Engineering* Expected June 2021
Oregon State University, Corvallis, OR
GPA: 3.06

SKILLS *Languages & Software:* C, C++, Python, System Verilog, LTSpice, KiCad, EasyEDA, MATLAB, Excel, Visio, Arduino

Prototyping & Measurement: Bench Instrument Operation, High Frequency Probing, Four Wire Sensing, SMD Soldering and Rework

EXPERIENCE *Computer Controlled Power Supply, Oregon State University* Winter 2020
Project Lead, Junior Design Final Project

- Power supply that can have its voltage and current programmed over USB utilizing SCPI syntax
- Linear and switched-mode power supply topology selection and circuit design
- Designed the voltage and current digital control circuitry
- Thermal management design, including heat sink selection and enclosure cooling

Audio Visualizer, Oregon State University Fall 2019
Junior Design Accelerated Project

- Computes and displays the frequency spectra of a microphone signal
- Chose and implemented the spectrum analysis algorithm
- Designed the microphone circuit and the PCB layout

Audio Engineering Club, Oregon State University Spring 2017 - Present
Founding Member & President (Fall 2019 - Present)

- Low frequency circuit layout and design
- Teaching the basics of PCB layout and analogue circuit design
- Interfacing with school administration and funding negotiation
- Project management, BOM assembly, and parts ordering

Quality Food Centers Fall 2015 - Spring 2018
Deli Clerk

- Provided excellent customer service
- Adhering to and implementing food preparation and safety guidelines.
- Working with coworkers from a variety of backgrounds

EXTRA-CURRICULAR ACTIVITIES Oregon Crusaders Indoor Member 2015 - 2018, Metrology, Recreational Mathematics, Analogue Music Synthesizers, Music Composition and Production, Woodworking

REFERENCE *Doug Sittner, Electrical*
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