Eddie Moroz

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Education

Oregon State University **Expected Graduation: June 2026**
Bachelor's of Science in Electrical and Computer Engineering - GPA: 3.81/4.0 *Corvallis, Oregon*

Portland Community College **September 2022 – August 2024**
University Transfer Associate of Science - GPA: 3.86/4.0 *Portland, Oregon*

Skills

Programming Languages: Python, C++, AVR Assembly
Technical Skills: PCB Design, Soldering, MultiSim, KiCad, Rhinoceros 3D, Autodesk Fusion
Teamwork Skills: Effective Communication, Goal-oriented, Reliable, Acute Attention to Detail
Languages: English (Fluent), Ukrainian (Intermediate), Russian (Intermediate)

Relevant Coursework

- Computer Networks
- Junior Design I, II
- Electronics I, II
- Signals and Systems I, II
- Transmission Lines
- Digital Logic and Design
- Computer Organization and Assembly Language
- Electrical Circuits I, II, and III

Projects

Home Lab - Cloud Storage and Server Deployment **June 2025 - Present**

- Designed and implemented a home lab by repurposing and upgrading a computer's RAM and storage to build a cost-effective server
- Implemented a self-hosted cloud storage solution using Docker for secure file upload and remote access
- Configured and deployed game servers, ensuring network reliability, optimized performance, and multi-user access
- Gained valuable hands-on experience in system upgrades, server administration, and resource optimization

BMO-scope Teensy based Oscilloscope **April – June 2025**

- Collaborated with two other peers to design and build a Teensy based oscilloscope that sampled at 200 kHz, measured frequency, volt peak-to-peak, period, and included a configurable trigger
- Utilized KiCad to design and build a USB-C power delivery PCB
- Used Autodesk Fusion to model an enclosure and 3D print it
- Achieved the Technical Choice award from the course instructors for overall design and build quality

Tri-Band Audio Equalizer **April – June 2024**

- Collaborated with a classmate to design and build a 3 Band Audio Equalizer that took an audio input, altered the frequency responses, and output to a speaker.
- Made use of a Wave generator and Oscilloscope to measure frequency responses on prototyped filters to see how experimental results align with the theoretical, allowing us to refine the filter design for increased performance.
- Presented the comprehensive design process, test plan, results, and associated material costs of the audio equalizer.

Work Experience

Academic Technologies **April 2025 - Present**
Student Technician *Corvallis, Oregon*

- Provide multimedia support to users utilizing classrooms on Oregon State University's Corvallis campus
- Maintain numerous classroom presentation systems to support lectures, meetings, and events
- Install and deploy classroom presentation technology that include projectors, audio equipment, control equipment, and networking systems, ensuring reliable operation for faculty and students

Shari's Cafe and Pies **November 2020 – September 2024**
Dishwasher, Prep Cook, Line Cook *Hillsboro, Oregon*

- Progressed from an entry-level role of a dishwasher to a leadership position as the lead cook during night shifts, showcasing growth and an increase in responsibility.
- Supported management by developing training strategies for new employees in a high-pressure environment to align them with restaurant standards.