# Eddie Moroz

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## Education

**Oregon State University** **Expected Graduation: June 2026**
*Bachelor's of Science in Electrical and Computer Engineering - GPA: 3.8/4.0* *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/C++, AVR Assembly
**Technical Skills**: PCB Design, Soldering, MultiSim, KiCad, Cadence, MATLAB, 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 Architecture
- Microcontroller Design
- CMOS I
- Semiconductors I
- Advanced Computer Networks
- Operating Systems I
- Senior Design I, II, III
- Signals and Systems I, II
- Transmission Lines

## Projects

**Automated 9mm Brass Headstamp Sorting System** **September 2025 - Present**

- Created an AI model trained on thousands of processed images to categorize 9mm brass headstamps by the model name engraved on the bottom
- Programmed and implemented a sorting program that utilized the AI model on a Raspberry Pi 5 with an 8 MP camera to capture the engraving text off each headstamp
- Designed and 3D printed the enclosure and mechanical components required to categorize and sort each headstamp

**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

## 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 includes 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.