

Marshall Saltz

Corvallis, OR

EDUCATION

Honors Bachelor of Electrical and Computer Engineering

Jun. 2025

Oregon State University, Corvallis, OR

RELEVANT EXPERIENCE

Student Researcher – Robotics Lab

Jan. 2022 - Present

Oregon State University, Corvallis, OR

- Collaborate with two robotics graduate students to build an evolutionary algorithm finding measurements for a two-fingered gripper with optimal reachability
- Verify results in simulation using Python and inverse kinematics to be published in undergraduate thesis paper
- Learned effective technical documentation, communication, and analytical thinking

Intern – Artificial Intelligence in Agriculture

Jun. 2023 – Aug. 2023

AgAID, Corvallis, OR

- Created Python code to generate 3D models of trees from RGB and Depth data using computer vision
- Presented progress at end of internship to an audience of industry and academic experts
- Improved learning agility, presentation and public speaking, and ability to read and utilize others' code

Student Technician – Service Desk

Nov. 2021 - Present

Oregon State University, Corvallis, OR

- Resolved a variety of university students' and employees' technical issues both virtually and in-person
- Learned phone etiquette, customer service, and conflict resolution

LEADERSHIP EXPERIENCE

Engineering Student Council EECS Senator

Mar. 2022 – May 2023

Oregon State University, Corvallis, OR

- Organized events for school of Electrical and Computer Engineering to connect students with club and academic resources
- Advocated for EECS student population by communicating feedback to administration

Computer Science Club President

Aug. 2020 – May 2021

Front Range Community College, Fort Collins, CO

- Organized club events such as industry presentations, fundraisers, and a hackathon
- Monitored and maintained engagement levels despite virtual isolation

SKILLSET

- Electrical: Schematics, Electronics prototyping, Soldering
- Mechanical: Fusion360, Power tools, Assembly, Hand tools, 3D printing
- Software: Python, C++, Linux, Simulations, Computer vision, Robotics programming, ROS2, OpenCV, Pybullet
- Soft: Presentation, Public speaking, Interpersonal, Collaboration and teamwork, Phone etiquette, Conflict resolution, Technical documentation, Leadership, Customer service, Problem-solving