

Kodi Clair

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Education

Oregon State University

2022-2026

Major: Electrical and Computer Engineering

Minor: Computer Science

GPA: 3.82

Awards & Scholarships: Dean's List • Everett G. "Sid" Drew Memorial Presidential Scholarship • International Baccalaureate Diploma Scholarship • Margaret E Merriam Scholarship

Relevant Coursework: Data Structures, Electronics 1, Signals and Systems, Junior(circuit) design, Intro to Computer Science

Work History

HALE AIAA • Design & Testing Associate • Corvallis, OR | 2022 to 2023

- ❖ Collaborated with a team of other engineering students to characterize and model fuel spray nozzle for Mera 2 rocket at Oregon State University.
- ❖ Engaged with team members in the iterative design process of rocket raceways, wired electronics, and ran tests for nozzle prototypes.
- ❖ Developed problem solving, collaboration, communication, and adaptability skills.

Agricultural Drone Club • Engineering Associate • Corvallis, OR | 2023 to 2023

- ❖ Worked with 4 engineering students to build an autonomous farming drone designed to fertilize rice fields in Thailand.
- ❖ Tuned PID controller for flight stabilization and implemented new software for easier control.
- ❖ Gained software testing proficiency.

Stereo-Video UAV Drone Club • Engineering Associate • Corvallis, OR | 2022 to 2023

- ❖ Collaborated with capstone students to design for a commercially available drone-camera rig meant to track sea life.
- ❖ Designed, conceptualized, tested, and facilitated decision-making process of camera rig.
- ❖ Acquired organization and prototyping skills.

Leadership Experience

Pigmice Robotics • Strategy and Programming Captain • Portland, OR | 2020 to 2022

- ❖ Managed a team of approximately 5 students to program and prototype a drivable robot.
- ❖ Designed, programmed, prototyped, and built infrastructure for 2021 and 2022 FIRST robot
- ❖ Obtained leadership, Java, electronics, and CAD knowledge

Portland Parks and Rec • Lead Camp Counselor • Portland, OR | 2023 to 2023

- ❖ Led a team of 4 camp counselors and organized a summer camp program for Portland Parks and Rec at Mt Scott CC.
- ❖ Facilitated a welcoming and fun working environment for camp counselors and campers. Oversaw procurement of camp supplies, well-being of campers, and overall flow of camp
- ❖ Gained communication, organization, and leadership proficiency.

Skills, Certifications & Interests

Hard Skills: CAD • C++ • C • Python • SPICE • Electronics • NumPy • Matplotlib • Computer Science

Languages: Thai (Fluent) • English (Fluent) • French (Intermediate)

Soft Skills: Teamwork • Project Planning • Communication • Fast Learner • Detail Oriented • Adaptable

Interests: Programming • Electronics • Mechanics • Machine Learning • AI • Robotics • Aerospace • Rock Climbing