

# ALEX LEACH

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Philomath, OR

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## EDUCATION

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### Bachelor of Science, Electrical & Computer Engineering

Expected Jun. 2026

Oregon State University, Corvallis, OR

GPA: 2.31

**Courses:** Data Structures, Electrical Fundamentals 1-3, Electronics 1, Intro to Computer Networks, Junior Design 1

### Associate of Arts Transfer Degree

Jun. 2017

Oregon Coast Community College, Newport, OR

GPA: 3.12

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## TECHNICAL STRENGTHS

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**Hardware:** Digital Multimeter, Soldering, Digital Logic and Design, AC and DC Analysis, Oscilloscopes, Electronic Load Machine, Frequency Response Machine

**Software:** Microsoft Office Suite, Remote Desktop, Windows, Mac, and Linux Operating Systems, Unity Engine, LTspice, KiCad, OpenL2M Network Manager

**Programming Languages:** C++, C, System Verilog

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## WORK EXPERIENCE

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### University Information and Technology, Corvallis, OR

Jun. 2020 - Present

*Service Desk, Builds, Desktop Support*

- Communicated with more than 1000 clients over phone and email to resolve hardware and software issues.
- Arranged over 200 on-site appointments for customer hardware placement and pickup.
- Took the initiative to train 20 newly hired employees on daily job tasks, reported progress to managers.

### Dixon Recreation Center, Corvallis, OR

Apr. 2020 - Dec. 2022

*Information Technology Specialist*

- Implemented replacement devices and regular maintenance for 130 computers.
- Tested and documented features of 10 department software and 4 databases.
- Cooperated with department professionals and students on settling at least 100 technology support requests.

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## SCHOOL ACTIVITIES

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### OSU Kendo Club, Corvallis, OR

Dec. 2020 - Present

*1-Dan Rank, Club Treasurer*

- Trained with Sensei and 50 fellow club members, instructed 3 years of Kendo exercises to new members, competed in 3 tournaments against similarly ranked practitioners.
- Processed 16 purchase requests, ranging from \$80 to \$300 per order.
- Oversaw club inventory of 40 pieces of rental equipment, and 60 units of merchandise for sale.
- Planned and managed 30 local and out-of-state events.

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## PROJECTS

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### Junior Design 1 Final Project, Oregon State University

Nov. 2024 – Dec. 2024

*Bluetooth Distance Sensor – ESP32 Microcontroller*

- Collaborated with a team of 3 to develop a handheld distance sensor with a measurement range of 1.2 meters.
- Produced 2 block design documents, featuring information from the datasheets of each electrical component.
- Applied the Bluetooth Low Energy module for the ESP-32 board to display sensor data on my phone.