# **ALEX LEACH**

alexleach97@proton.me https://www.linkedin.com/in/alex-leach-9b0286192/

# **EDUCATION**

#### **Bachelor of Science, Electrical & Computer Engineering**

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

Oregon Coast Community College, Newport, OR GPA: 3.12

#### **TECHNICAL STRENGTHS**

*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

Lispice, KiCad, OpenL2M Network Manager

Programming Languages: C++, C, System Verilog

# WORK EXPERIENCE

## University Information and Technology, Corvallis, OR

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

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.

# SCHOOL ACTIVITIES

# OSU Kendo Club, Corvallis, OR

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.

#### PROJECTS

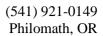
#### Junior Design 1 Final Project, Oregon State University

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.

# Expected Jun. 2026

Dec. 2020 - Present



Jun. 2017

Apr. 2020 - Dec. 2022

Jun. 2020 - Present

Nov. 2024 - Dec. 2024