# Jack Lund

[(916) 717-8899][lundj62@gmail.com][www.linkedin.com/in/jack-lund-722099253][https://github.com/lundj227]

## *Education*

***University of Oregon B.S. GPA: 3.67*** **Expected Graduation: June 2026**

**Majors/Minor:** Computer Science/Mathematics

## *Work Experience*

**Skyworks - Data Analysis and Machine Learning Intern** —---------- 06/2025 - 09/2025

- **Schedule: Monday - Friday, 40 Hours/Week**
- Created a database, and ML model to plot semiconductor testing data, and classify data. I used **NI DIAdem** to analyse, measure, and plot the test data in the form of tables and plots. I also used **Keras** to build a model that could classify grouped behavior based on performance variance over process, voltage & temperature. This simplified the staff's ability to aggregate data and view trends among the data.

**Skyworks Solutions – Intern** ---------- 06/2024 - 09/2024

- **Schedule: Monday - Friday, 40 Hours/Week**
- Converted an **MS Access** Database to **MySQL** and constructed a **MySQL** database and website with **RESTful API** to aid in the **management and tracking of site inventory**. The site could create, update or delete, inventory items, view a history of changes, and recover deleted items.
- The site uses **JavaScript, Node.js, Express.js, ejs,** and **MySQL** to accomplish each of the aforementioned functions, and was deployed using **Windows Internet Information Services (IIS).**

**Mikuni Restaurant and Sushi Bar – Bus Boy** ---------- 06/2022 - 09/2022

- **Schedule Varied: Average of 12 Hours/Week**
- Changing kegs, refilling ice in soda machines, cleaning tables after customers had left and partially while they were still there, completing bathroom checks, and performing opening and closing duties.

## *Projects*

**Indexify QuackHacks Jan 25: https://github.com/dellis2cs/Indexify**

- My team of 4 people created a website that allows students to submit pages of typed notes and receive an index card size summary of the notes. I used **PyTorch** and **Smiling Face machine learning models** and datasets API in combination with **Flask RESTful API's** to provide the core summarization functionality, which led to our group having a successful pitch at the end of the challenge.

**Stock Price Predictor**

- With a team of 2 other people, we created a web app that could help investors predict stock prices. I used **Keras**, along with **Kaggle** datasets, to preprocess the data, and train linear regression and neural network models, which could predict stock price trends.

## *Experience Certificates*

**University of Oregon Continued Education Full Stack Web Development** ---------- 07/2023 - 01/2024

- Created full-stack single-page web applications using **RESTful API routes** and **AJAX methods**, and describe how front-end applications communicate with back-end applications and databases
- Worked with a team of 4 to create a digital storefront called thrifting.com, and launched it using render. We used **React, HTML/CSS, JavaScript, Apollo Client, Node.js, Express.js, GraphQL, MongoDB, and MongoDB Atlas** to accomplish this. https://github.com/lundj227/thrifting.com

## *Other Skills*

**Languages:** C/C++, Python3, JavaScript, SQL, HTML/CSS

**Databases/Deployment:** IIS, Microsoft Access, MongoDB, MySQL

**Frameworks:** Node.js, Express.js, Numpy, Pandas, React

**Other:** REST API development, Unix/Linux