

Dennis Thomas Lam (720) 220-1901

EDUCATION

Oregon State University

B.S. Computer Science | *December 2024*

University of Colorado Boulder

B.A. Ecology and Evolutionary Biology | *May 2021*

LINKS

dennislam4@gmail.com

linkedin.com/in/dennislam

github.com/dennislam4

dennislam.vercel.app

SKILLS

Languages

Python, Java, JavaScript

Frameworks

Node.js, React, Tailwind.CSS, Handlebars.js, Express.js

Database Systems

SQL, MongoDB, Google Datastore

Tools and Methods

Git, Agile, Jetpack Compose, REST APIs

PROJECTS

Course Management Tool | *December 2024*

Designed and built a course management app for students and teachers

- Built a REST API with **Auth0** and **JWT** enabling secure, role-based access control.
- Implemented role-based access controls, enabling teachers to manage courses and students to view grades.
- Deployed app using **Google App Engine**, tuning for scalability costs.

Cross-Platform Fitness Tracker | *May 2024*

Designed and built a web-responsive mobile app that records and tracks workout progress

- Created a Google Sheets JS integration allowing for the management of fitness data.
- Used **React**, **Tailwind.CSS**, to create the tracker, workout plans, and profile screens.
- Collaborated on an Agile team with weekly sprints iterating on design implementation of app features.

Mobile Treasure Hunt Game | *May 2024*

Developed a geo-location-based Android game using Kotlin and Jetpack Compose

- Tracked user's game location in real-time using Android Location Services.
- Implemented location hints based on total distance away from treasure radius.

Cookbook Database | *May 2023*

Developed database driven web app that tracks ingredients and recipes

- Created a web UI with **Express.js**, **Handlebars.js**, to demonstrate relational database functionality
- Created mock, relational databases and tables to store and edit common food ingredients
- Explored relational and non-relational databases, including with practical applications in web development

WORK EXPERIENCE

LabCorp | *Lakewood, CO*

Laboratory Technologist Trainee | July, 2021 – July, 2022

- Utilized molecular pathology lab software for test data management and diagnostic reporting, ensuring specimen acceptability, and adhering to safety protocols.

Laboratory Assistant | May, 2021 – July, 2021

- Collected and used testing analysis software to validate patient samples while documenting results.