

# Dennis Thomas Lam

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## EDUCATION

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### Oregon State University | *Corvallis, OR*

B.S. Computer Science | *December 2024*

- GPA: 3.38
- Relevant coursework: Data Structures, Algorithms, Mobile Software Development, Cloud Application Development, Operating Systems, Web Development

### University of Colorado Boulder | *Boulder, CO*

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

## SKILLS AND LANGUAGES

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### Programming Languages

- Python, Java, Kotlin, JavaScript (Node.js, Express.js), SQL

### Web Development

- React, Tailwind.CSS, Handlebars.js, REST APIs

### Database Systems

- SQL, MongoDB, Google Datastore

### Cloud & Tools

- Google Cloud Platform, Google App Engine, Auth0, JWT, Android Location Services

### Software Development

- Jetpack Compose, Git, Agile methodologies, C.R.U.D. operations

## WORK EXPERIENCE

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### LabCorp | *Lakewood, CO*

Laboratory Technologist Trainee | *July, 2021 – July, 2022*

- Implemented molecular pathology lab software for test data management and diagnostic reporting
- Supported lab operations using software-guided procedures and ensuring accurate input into laboratory systems

Laboratory Assistant | *May, 2021 – July, 2021*

- Experience with molecular pathology lab software for test data management and diagnostic reporting
- Used software-guided procedures and ensuring accurate input into laboratory systems

## PROJECTS

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### Tarpaulin Course Management Tool | *December 2024*

- Built a REST API with **Auth0** and **JWT** for secure, role-based access control
- Deployed on **Google Cloud Platform** with **App Engine** and **Datastore** for scalability
- Delivered a secure, scalable platform for managing admin, instructor, and student roles

### Cross-Platform Fitness App | *May 2024*

- Collaborated with two team members on a fitness app using **React**, **Express.js**, **MongoDB**, and **Tailwind.CSS**
- Integrated **Google Sheets** for dynamic backend data management
- Deployed via **FLIP servers**, providing a responsive cross-platform experience

### Mobile Treasure Hunt Game | *May 2024*

- Developed a geolocation-based game in **Kotlin** with **Jetpack Compose**
- Integrated **Android's Location Services API** for real-time user location tracking
- Created an interactive, location-based gameplay experience

### Database Portfolio Project | *May 2023*

- Built a SQL-driven website with **Express.js**, **Handlebars.js**, and full CRUD functionality
- Designed a responsive server-side architecture for seamless user interaction
- Delivered a robust web application demonstrating database integration

