

THOMAS DINH LE

lethomas998@gmail.com | linkedin.com/in/thomasle998 | github.com/tomaseuu | le-thomas.com

EDUCATION

California Polytechnic State University - San Luis Obispo, CA

June 2026

Bachelor of Science in Computer Science | Minor in Bioinformatics

Relevant Coursework: Software Engineering, Databases, Operating Systems, Networks, Algorithms, Artificial Intelligence
Object-Oriented Programming, Web Development, Data Structures, Data Science

TECHNICAL SKILLS

Languages: Python, Java, TypeScript, JavaScript, SQL, HTML/CSS, C

Libraries / Frameworks: React, Next.js, React Native, Expo, Node.js, Spring Boot, Flask, FastAPI

Databases / Cloud: PostgreSQL, MongoDB, Supabase, AWS, Git, GitHub Actions, Docker, Postman, Jira, CI/CD, LLMS

EXPERIENCE

Veggie Rescue

San Luis Obispo, CA

Software Engineer

December 2025 - June 2026

- Led development of a **food distribution dashboard serving 70+ nonprofit organizations**, replacing fragmented spreadsheet tracking with a centralized **React, TypeScript, Express, and Google Sheets API** workflow.
- Designed a **priority-based delivery queue** that helps staff make faster and fairer food allocation decisions by ranking organizations using delivery history, pounds received, recipient priority, and urgency data.

Homigo

Remote

Software Engineer

December 2025 - May 2026

- Built a **bilingual, mobile-responsive contractor onboarding platform** supporting **20 service categories**, enabling providers to complete signup, phone verification, service selection, travel radius setup, and Stripe payout onboarding through a guided multi-step workflow.
- Automated **provider service-area setup** by translating ZIP codes, travel radius, and selected services into marketplace coverage mappings using Next.js, TypeScript, Supabase, Stripe, Twilio, SendGrid, and Google Cloud Vision API, reducing manual configuration while improving onboarding, communication, and content moderation.

Tesla (Industry Collaboration via Systems Optimization Club)

San Luis Obispo, CA

Software Developer Student Consultant

October 2025 - March 2026

- Centralized Tesla employee commute planning into a **React Native mobile prototype**, helping users compare driving, biking, public transit, and shuttle routes through one **unified trip planning experience**.
- Refactored **hardcoded mobile styles** into a custom theming system and **reusable components** using React Native and Google Maps API, improving UI consistency and long-term maintainability.

Hack4Impact

San Luis Obispo, CA

Full Stack Developer

October 2024 - June 2025

- Shipped **full-stack messaging and announcement workflows** for a nonprofit tree inventory platform, connecting **Next.js, MongoDB, and REST API routes** to help admins send updates to all users, admins, or selected volunteers.
- Enhanced **volunteer data management** by creating tree entry, inventory table, and **mobile-responsive message interfaces** using Next.js and Chakra UI, helping volunteers collect, view, and manage heritage tree records efficiently.

TECHNICAL PROJECTS

IBD Clinical Decision Support System

- Created a **mobile clinical decision support workflow** that organizes patient symptoms, medication history, and genetic inputs through a React Native app connected to a **Flask recommendation backend** using REST APIs, Supabase, and PostgreSQL.
- Improved clinical review support by prototyping **LLM-powered insight features** that summarize symptom trends, explain recommendation outputs, and generate doctor-facing questions from structured patient context.

OncoGraph: Cancer Gene Discovery Pipeline

- Transformed a Python graph script into a **reproducible FastAPI bioinformatics pipeline** for prioritizing candidate tumor-related genes using **Random Walk with Restart**, p-value simulations, PostgreSQL, and Docker Compose.