

THOMAS DINH LE

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SKILLS

Languages: Python, Java, TypeScript, JavaScript, SQL

Tools: React, Next.js, React Native, HTML/CSS, Tailwind CSS, REST APIs, PostgreSQL, MongoDB, MySQL, Supabase, Git

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

EXPERIENCE

Homigo Startup

Remote

Software Developer

December 2025 - Present

- Built a full contractor onboarding flow in **Next.js** and **TypeScript**, support new contractors joining the platform.
- Implemented guarded transitions and frontend validation to prevent incomplete or invalid submissions.
- Integrated **Supabase Auth** and backend APIs to enable secure role-based access control for contractors.
- Streamlined contractor onboarding by consolidating multiple steps into a single guided signup flow.

Veggie Rescue

San Luis Obispo, CA

Tech Lead

December 2025 - Present

- Led a **7-person** engineering team to build a food distribution dashboard used by **70+ nonprofits**.
- Delivered a priority-based delivery queue that helps staff decide which organization receives food next.
- Turned nonprofit needs into concrete frontend features that improved visibility into deliveries and requests.
- Created GitHub issues and UI specs for a Jotform-Google Sheets pipeline to streamline data collection.

Systems Optimization Club (Tesla Partner Project)

San Luis Obispo, CA

Software Developer

October 2025 - Present

- Contributed to a **12-person** engineering team building a centralized commute app to reduce parking congestion.
- Designed a centralized theming system in **React Native** to keep UI consistent and reduce styling duplication.
- Launched a full-screen map interface powered by the **Google Maps API** to support real-time navigation workflows.
- Structured **5+** reusable UI components to standardize layout and interaction patterns across screens.

Hack4Impact

San Luis Obispo, CA

Full Stack Developer

October 2024 - June 2025

- Partnered with a **14-person** development team building a digital inventory platform for heritage tree preservation.
- Orchestrated **RESTful** data flows between **Next.js** and **MongoDB** to support tree and announcement management.
- Engineered interactive message and inventory tables enabling volunteers to manage **100+** tree records.
- Enhanced table and map interfaces to strengthen search functionality and improve data visibility for field volunteers.

TECHNICAL PROJECTS

Focus OS | Pomodoro Focus Tracker

September 2024 - Present

- **React**, **Express.js**, and **PostgreSQL** focus tracker supporting task persistence, session **APIs**, and **SQL** analytics.
- Real-time timer sync with active session recovery and parallel **API** loading to maintain consistent state across refreshes.

Luma Leaf | Online Photobooth

January 2025 - August 2025

- **React**, **Next.js**, **TypeScript** Photo Booth with real-time camera capture, session storage, and photo-strip rendering.
- Secure time-limited QR sharing with performance optimizations for smooth cross-device media handling.

Cancer Network Analysis

September 2025 - October 2025

- **Python** (**NetworkX**, **NumPy**, **SciPy**) graph analysis of protein interaction networks with Random Walk and diffusion.
- Ran **1000+** of simulations for statistical validation, identifying **30** candidate genes via network scoring.