Leo Duong

Torrance, CA | duongtrongnghia287@gmail.com | 424 397 4074 | linkedin.com/in/leo-duong-la

Education

University of California, San Diego (UCSD)　　　　　　　　　　　　　　Graduated Jun 2025

- Bachelor of Science in Mathematics and Computer Science.

Experience

Software Engineer | Freelance　　　　　　　　　　　　　　　　　　　　　Sept 2021 – Present

- **Delivered 15+ end-to-end software solutions** across web/desktop/mobile by translating requirements into scalable architectures, **improving client workflows and product usability**.
- **Achieved 97% on-time delivery** by estimating scope, prioritizing milestones, and managing parallel workstreams, ensuring consistent execution across client engagements..
- **Owned the full SDLC** (discovery → design → implementation → testing → deployment → handoff) with clear documentation and stakeholder updates, **reducing client onboarding time by 24%**.
- Built and deployed production-ready features (**REST APIs**, **authentication**, **databases**, **integrations**) to increase reliability and maintainability; earnings enabled **repayment of 20% of student loans** through project work.

Independent Coding Tutor | Self-Employed　　　　　　　　　　　　　　　　Nov 2021 - Jun 2025

- **Tutored 40+ students** in **Python/Java/C++/C/JavaScript** by diagnosing skill gaps and applying structured practice, improving proficiency and confidence.
- Led hands-on builds (**web apps**, **mobile apps**, **games**), resulting in **92% of students** shipping a portfolio-ready project.
- **Accelerated learning 33% on average** by creating personalized lesson plans with milestones, feedback loops, and targeted debugging sessions.
- Improved code quality by teaching **clean architecture**, **Git workflows**, and **edge-case testing**, reducing recurring bugs and rework.

Projects

Portfolio Website:　　　　　　　　　　　　　　　　　　　　　　　　　Personal Project

- Showcased professional work by building a responsive **Next.js** portfolio, improving recruiter engagement by **20%**.
- **Integrated GitHub and LinkedIn APIs** to dynamically display, auto-refresh projects and credentials, **enhancing UX**.

E Commerce Website:　　　　　　　　　　　　　　　　　　　　　　　　Personal Project

- **Boosted user conversions by 20%** by developing a full-stack shopping platform with **Next.js**, **MongoDB Atlas**, **Inngest** and **Vercel**.
- Implemented **Clerk** secure authentication and **Stripe** checkout flows, improving reliability and usability.

AI Personal Finance Portal:　　　　　　　　　　　　　　　　　　　　　Personal Project

- Built an **AI-powered personal finance portal** using **Next.js**, **Node.js**, **MongoDB Atlas**, and **Plaid APIs** to aggregate transactions and auto-categorize spending, reducing manual tracking by **70%**.
- Improved insight accuracy by **40%** by deploying **Python (scikit-learn) + NLP classification services** via **Docker** on **AWS**, secured with **JWT**, **RBAC**, and **encryption-at-rest**.

Real-Time Chat Application:　　　　　　　　　　　　　　　　　　　　　Personal Project

- Improved messaging speed by **30%** by developing a **WebSocket-based chat app** with **Node.js**, **React**, **MongoDB Atlas**, and **JWT authentication**.
- Ensured persistent and secure messaging by implementing **database integration** and **token-based validation**.

Netflix Clone + Movie Recommender System:　　　　　　　　　　　　　　Personal Project

- Reduced page load time by **25%** by building a full-stack streaming app with **Next.js**, **Node.js**, and **REST APIs**, **optimizing endpoints + lazy loading**, and deploying to **AWS** with **Docker**.
- Increased recommendation accuracy by **15%** by integrating a **Python (pandas, scikit-learn)** recommender into the product with a **real-time UI backed by MongoDB Atlas**.

Skills

Languages: Javascript, TypeScript, HTML/CSS, Java, Python, C, C++, SQL, Assembly.

Technologies: Next.js, Tailwind CSS, Node.js, Clerk, Inngest, Vercel, Stripe, MongoDB Atlas, MySQL, WebSocket, Git, Github, Docker, AWS.