

# Leo Duong

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<https://github.com/LeoDuong28>

U.S. Citizen (Clean Background)

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## Education

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- University of California, San Diego** La Jolla, CA  
Bachelor of Science in Mathematics and Computer Science September 2021 - June 2025

## Experience

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- Software Developer** La Jolla, CA  
Freelance September 2021 - Present
  - Delivered custom software solutions across web, desktop, and mobile platforms, improving client efficiency and functionality.
  - Completed 15+ programming projects sourced from job boards and client referrals, meeting 97% of project deadlines.
  - Managed full project lifecycle, from gathering requirements to deployment and client handoff, reducing client onboarding time by 24%.
  - Generated personal income that allowed repayment of 20% of student loans, demonstrating financial responsibility and professional success.
- Independent Coding Tutor** La Jolla, CA  
Self-Employed November 2021 - June 2025
  - Taught Python, Java, C++, C, and JavaScript to 40+ students at various skill levels, increasing student proficiency and confidence.
  - Guided students through practical projects, including web apps, mobile applications, games, and cybersecurity implementations, resulting in 92% of students completing a portfolio-ready project.
  - Developed customized learning plans addressing individual challenges, accelerating student learning by 33% on average.

## Projects

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- Portfolio Website:**
  - Showcased professional work by building a responsive React portfolio, improving recruiter engagement by 30%.
  - Integrated GitHub and LinkedIn APIs to dynamically display projects and credentials, enhancing user experience.
- E-Commerce Website:**
  - Boosted user conversions by 20% by developing a full-stack shopping platform with React, Node.js, MongoDB, and Stripe.
  - Implemented secure authentication and checkout flows, improving reliability and usability.
- Blue-Green Deployment CI/CD Pipeline:**
  - Achieved zero-downtime AWS deployments by automating a blue-green pipeline with Jenkins, Docker, Terraform, and Ansible.
  - Enhanced reliability by integrating Prometheus/Grafana monitoring with automated alerts.
- Real-Time Chat Application:**
  - Improved messaging speed by 30% by developing a WebSocket-based chat app with Node.js, React, MongoDB, and JWT authentication.
  - Ensured persistent and secure messaging by implementing database integration and token-based validation.
- Netflix Clone:**
  - Delivered a full-stack streaming platform clone, reducing load times by 25% via optimized API endpoints and lazy loading.
  - Deployed on AWS using Docker, demonstrating scalable cloud hosting and CI/CD proficiency.
- Movie Recommender System:**
  - Increased recommendation accuracy by 15% using collaborative and content-based filtering algorithms in Python.
  - Developed an interactive web interface for real-time suggestions, enhancing user engagement.

## Skills

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- Languages:** Javascript, CSS, HTML, Python, C++, C, Java, Typescript, Assembly, SQL, MATLAB, LaTeX.
- Technologies:** AWS, React.js, Tailwind CSS, Bootstrap, Node.js, MongoDB, MySQL, Git, Github.