

Jimmy Tran

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Education

Bachelors of Science in Computer Science

California State University, Long Beach

May 2025 | Long Beach, CA

GPA: 3.9

Professional Experience

Business Wire, Software Engineering Intern

Jun 2025 – Current | Remote

- Developed an internal web application used by 200+ employees, integrating REST APIs to enhance user functionality and streamline workflows with a React-based frontend and an Express.js backend
- Collaborated in an Agile development environment, participating in daily stand-ups, sprint planning, and code reviews while tracking progress through Jira and managing code with GitHub
- Tested and deployed on AWS, implementing the company's CI/CD pipeline to ensure maximum availability while following clean code principles and security requirements

Whizara, Programming Instructor

Aug 2024 – Jun 2025 | Los Angeles, CA

- Instructed 10+ K-12 students in programming fundamentals, algorithmic thinking, and software development best practices through engaging remote/in-person sessions, emphasized learning by doing and a project oriented mindset
- Taught concepts consisting of Python and Java coding language, and AI/Machine Learning, emphasizing breaking down complex concepts into actionable, simple components
- Fostered collaborative learning environments that encouraged problem-solving, critical thinking, and peer programming

Projects

PowerPlay, Lead Developer

Aug 2024 – Present

- Architected a cross-platform physical therapy application with gamified elements using React Native/Expo practicing full-stack skills, implementing user authentication through ClerkJS API to create seamless experiences across platforms
- Designed and implemented high-performance backend services using Python's FastAPI and MongoDB, focusing on functionality and scalability deployed on GCP using cloud run services
- Led a team of 5 developers using Agile methodology, managing sprints and facilitating cross-functional collaboration while ensuring clean code practices
- Integrated user feedback mechanisms to continuously improve application UX based on actual user data, demonstrating customer-focused development

NursAI, Beachhacks 8.0 Hacker

Mar 2025

- Developed an AI-powered virtual nurse in just 24 hours at CSULB's BeachHacks hackathon with a team of four, leveraging React in Next.js, TailwindCSS, and OpenAI
- Prioritized aesthetic UI design through frontend technologies and seamless functionality, ensuring an intuitive and engaging user experience and attention to detail
- Competed for cash prizes across multiple categories, including Best UI/UX, Best Use of DainAI, and Best Patient Safety Technology, including top 3 finish in Patient Safety Technology

Skills

Python • JavaScript • React • AWS • GCP • SQL • Git • MongoDB • Agile • Express.js • TypeScript • RESTful API • Next.js • TailwindCSS • OpenAI • AI/ML • Jira • Docker • Jest • GraphQL • Node.js

Courses

AI/ML

Jan 2025 – May 2025 | Long Beach

- Gained a deep understanding of core machine learning techniques including supervised and unsupervised learning, classification, and association methods
- Built and trained neural networks, convolutional neural networks (CNNs), and large language models (LLMs) using PyTorch, with a focus on practical implementation and model evaluation

Web Accessibility and Programming

Aug 2024 – Dec 2024 | Long Beach

- Learned to build interactive and responsive web interfaces using HTML, CSS, JavaScript, and React, focusing on modern design principles and user experience
- Understood how to connect front-end applications to back-end services using tools like Mongoose for MongoDB data management and CORS for secure cross-origin communication