

Jimmy Tran

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Education

Bachelors of Science in Computer Science

California State University, Long Beach

May 2025 | Long Beach

GPA: 3.9

Professional Experience

Whizara, Programming Instructor

Aug 2024 – Present | Los Angeles, CA

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

Schoolhouse.world, Math Tutor

Dec 2021 – Jun 2022 | Remote

- Hosted online tutoring sessions for ~15 students per session, developing clear communication of concepts
- Created simplified explanations of mathematical concepts such as algebra and geometry, demonstrating ability to break down complex topics
- Facilitated collaborative group discussions to enhance learning outcomes and assess knowledge acquisition

Projects

NursAI, Beachhacks 8.0 Hacker

Mar 2025 – Present

- 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

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

Skills

Python • HTML • CSS • JavaScript • React • C++ • AWS • GCP • SQL • Git • Mongo • PyTorch •
Agile • Express.js • TypeScript • RESTful API • Figma • Next.js • TailwindCSS • OpenAI • AI/ML • 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