

Anh Tuan Tran

Oakland, CA

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SUMMARY

Computer Science professional with an M.S. (GPA 3.9) and B.S. (Summa Cum Laude, GPA 3.98) from CSU East Bay. Blends software engineering, AI/ML research, and teaching experience. Peer-reviewed publication at FAB 2025.

SKILLS

Programming Languages: Python, C, C++, Java, JavaScript, SQL, HTML, CSS

AI/ML: LLM fine-tuning, Hugging Face, RAG, PyTorch, TensorFlow/Keras, scikit-learn, NumPy, Pandas, Claude Code

Cloud & DevOps: AWS (Route 53, ACM, Elastic Beanstalk, S3, Lightsail, CloudFront), Docker, GitHub

Web & Mobile: Flask, React, REST APIs, SQLite, Android (Java), Google APIs

Teaching & Communication: Lecture design, lab instruction, curriculum development

EXPERIENCE

AI Part-time Faculty (Lab Instructor), Laney College – Oakland, CA

May 2025 – Present

Teach "Introduction to AI & Machine Learning"; design labs and assignments; guide students through hands-on ML projects with Python, scikit-learn, and PyTorch; 60% of survey respondents rated the lab "Excellent," 35% "Good."

Research Assistant, CSU East Bay – Hayward, CA

Dec 2024 – Present

Research LLMs for multimodal learning and optimization; implement and fine-tune models with PyTorch and Hugging Face; co-authored 1 peer-reviewed publication at FAB 2025.

Teaching Associate / Student Assistant, CSU East Bay – Hayward, CA

Sep 2022–Dec 2024

Supported CS courses (50–100+ students) including Automata & Computation, Computer Science I, and Data Structures & Algorithms; graded, gave feedback, held office hours.

COURSES TAUGHT

Laney College: Introduction to AI & Machine Learning. CSU East Bay (TA/SA): Automata & Computation, Computer Science I, Data Structures & Algorithms.

PROJECTS

US Citizenship Test Practice (Android) – Java, SQLite, Google TTS

Published Android app for U.S. citizenship exam practice; 500+ downloads, 4.8/5.0★ on Google Play.

US Citizenship Mock Interviews (Web Chatbot) – Python/Flask, LLM, AWS

Web chatbot simulating USCIS interview Q&A using fine-tuned ChatGPT-4o, Flask, and AWS; 68,000+ views.

EDUCATION

M.S., Computer Science, CSU East Bay — GPA 3.9

Dec 2024

B.S., Computer Science, CSU East Bay — GPA 3.98 (Summa Cum Laude)

May 2023

A.S., Computer Programming, Laney College — GPA 4.0 (Highest Honors)

May 2021

PUBLICATION

Guo, D., Tran, A., Xiao, X., Li, H., & Caragea, D. (2025). Multimodal Disaster-related Tweet Classification with Parameter-Efficient Fine-Tuning of Large Language Models. FAB 2025, Niagara Falls, Canada.

CERTIFICATIONS & AWARDS

Cisco CCNAv7: Introduction to Networks (2022)

Alice & Victor Buencamino Scholar in Computer Science (2023–2024); High Academic Achievement in CS (2023)