

# Anh Tuan Tran

Oakland, CA

anh@anhtran.education | [anhtran.education](http://anhtran.education)

## SUMMARY

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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 ASONAM 2025.

## SKILLS

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**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, Google Antigravity, OpenAI Codex, GitHub Copilot

**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

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### 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."

### Independent Researcher – Oakland, CA

Dec 2024 – Present

Research LLMs for multimodal learning and optimization; implement and fine-tune models with PyTorch and Hugging Face; 3 co-authored papers on LLMs (1 published at ASONAM 2025; 2 accepted at ISCRAM 2026).

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

Sep 2022–Dec 2024

Supported CS courses including Automata & Computation, Computer Science I, and Data Structures & Algorithms; graded assignments and provided written feedback.

## COURSES TAUGHT

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

## PROJECTS

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### 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

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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

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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. ASONAM 2025 Proceedings, Springer, pp. 413–428.

## CERTIFICATIONS & AWARDS

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Cisco CCNAv7: Introduction to Networks (2022)

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