NICK TRAN

Anaheim, CA

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PROFESSIONAL EXPERIENCE

Apple   May 2025 - Aug 2025
EPSI Machine Learning Intern   *Cupertino, CA*

USC Institute for Creative Technologies   Sep 2023 - May 2025
Research Assistant   *Los Angeles, CA*
Lab: *Learning Sciences Lab*

- Built autonomous AI agents transforming lectures into interactive materials via planning-based decisions
- Designed RAG systems using LangChain for context-aware reasoning and adaptation.
- Enhanced app prototypes with GPT and LangChain for AI-driven learning tools.
- Created intelligent NLP pipelines with self-monitoring capabilities for automated content refinement.

University of California, San Diego   Oct 2024 - Dec 2024
Research Assistant   *La Jolla, CA*
Lab: *Bilingualism in Context (BIC)*

- Developed a bilingual corpus of 100+ Spanish-English speakers to study naturalistic codeswitching.
- Utilized computational tools to analyze and annotate multilingual linguistic data.
- Conducted research on codeswitching to uncover the impact of linguistic environments on bilingual behavior.

C. Pacific   Mar 2022 - Nov 2022
Supply Chain Coordinator   *Norwalk, CA*

- Automated inventory rotation analysis, leading to a 15% increase in turnover efficiency.
- Oversaw end-to-end logistics for import operations, optimizing workflows.
- Managed cross-functional teams, streamlining task delegation and enhancing operational efficiency.

Intelligence4start   Jan 2020 - Dec 2021
Project Management Intern   *Melbourne, Australia*

- Designed and implemented automated dashboards, improving error tracking and real-time reporting for clients.
- Defined project scope and allocated resources using Trello and Slack, ensuring timely and successful delivery.
- Presented detailed project progress reports to senior management, facilitating informed decision-making.

Cypress College   Aug 2016 - Jan 2018
Supplemental Instructor, Calculus II (Part-Time)   *Cypress, CA*

- Led SI sessions for 80+ students, providing structured guidance to improve comprehension and exam readiness.
- Mentored students individually to identify knowledge gaps and develop personalized study strategies.
- Coordinated with faculty to align SI sessions with course objectives, ensuring consistent academic support.
- Organized collaborative study groups to foster peer-to-peer learning and build problem-solving skills.

EDUCATION

California State University, Fullerton   Jan 2023 - May 2026 (Expected)
Master of Science in Computer Science, Specialize: AI & Machine Learning, GPA: 4.0/4.0   *Fullerton, CA*

California Institute of Technology   Jun 2023 - Jan 2024
Caltech AI & Machine Learning Bootcamp   *Pasadena, CA*

California State University, Fullerton   Aug 2019 - Dec 2021
Bachelor of Arts in International Business, Major: Global Trade, GPA: 3.5/4.0   *Fullerton, CA*

PROJECTS

Virtual Ryan Baker (VRyan)   **Jun 2024 - Present**

- Developed an AI-based virtual learning assistant modeled after Prof. Ryan Baker from UPenn, designed to interact with students through video.
- Leveraged technologies including OpenAI, Whisper, SadTalker DeepFake, Next.js, Tailwind CSS, and npm.
- Utilized large language models (LLMs) for transcript and video extraction to enhance student interaction and learning experiences.

Research Paper Extract System   **Sep 2023 - Dec 2023**

- Developed a cloud-based system for research paper content extraction and analysis using AWS Lambda, LangChain, API Gateway, and Python, featuring PDF processing and JSON data structuring.
- Implemented advanced NLP techniques, including semantic analysis and keyword extraction, to accurately parse and summarize the content of research papers, enhancing accessibility.

SKILLS

Languages	SQL, Python, Java, HTML, CSS, Javascript.
Frameworks/Libraries	Flask, Keras, LangChain, RAG, TensorFlow, scikit-learn, pandas, NumPy, GPT Models.
Project Management Tools	Trello, Jira, Slack, Microsoft Suite.
ERP	Sage100, Magento.
Methodologies	Agile, Scrum, Serverless Architecture, Data Analysis.
Others	Vietnamese (Native), English (Bilingual).

CERTIFICATIONS

UIUC Learning Technologies Foundations and Applications   **Dec 2024**

- Developed expertise in evaluating, selecting, and justifying learning technology solutions for organizational problem-solving based on Cognitive Load Theory and multimedia design models.

PwC Technology Consulting Job Simulation on Forage   **Dec 2024**

- Delivering client discovery tools, user stories, an MVP roadmap, and a compliance upgrade summary.

Cognizant AI Job Simulation on Forage   **May 2023**

- Conducting exploratory data analysis, developing Python training module & presenting insights to stakeholders.

Google Project Management   **Feb 2022**

- Developed skills for entry-level project management, including Agile practices, Scrum implementation, project documentation, and stakeholder management through real-world scenarios.

INVOLVEMENT

Kids Around the World   **Mar 2023 - Present**

- Packing food for children in African countries, orchestrated mini-contests for community engagement.

CSUF ACM   **Mar 2023 - Present**

- Contributed to CS workshops, exchanging knowledge and networking on topics such as Recursion & Graphs, Finance in Tech, and Systems & Data-Oriented Design.

SCHOLARSHIPS AND AWARDS

Cypress College ISP Scholarship	**2018**
Simplilearn Caltech AI & ML Bootcamp Scholarship	**2023**