

NICK TRAN

Anaheim, CA

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INDUSTRY EXPERIENCE

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 **Aug 2020 - Aug 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.

ACADEMIC EXPERIENCE

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

- Built an AI assistant to transform lecture videos into interactive teaching aids.
- Developed models for video transcription, speaker diarization, and speech act classification.
- Enhanced app prototypes with GPT and LangChain for AI-driven learning tools.
- Applied ML and NLP techniques to improve content extraction and analysis.

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

- Conducting research on Social Network Analysis and Computational Linguistics.
- Developed a task to collect spontaneous speech, creating a corpus of 100+ bilingual speakers.
- Identified codeswitching patterns and their cognitive effects in bilingual communities.

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

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.

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.

SKILLS

Languages	SQL, Python, Java, HTML, CSS, Javascript.
Frameworks/Libraries	Flask, Keras, LangChain, 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

- Participated in staff activities, including packing food for 100+ children in African countries, and orchestrated mini-contests among volunteer teams to identify the fastest food packing methods.

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