

YOLANDA CHEN

AI / ML Engineer • LLM & Agentic Systems • Data Scientist

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U.S. Permanent Resident (Green Card) • Authorized to work for any U.S. employer

PROFESSIONAL SUMMARY

AI/ML engineer with dual Master's degrees in Computer Systems & Engineering and Computer Education, specializing in LLM system integration, agentic workflows (LangGraph), Retrieval-Augmented Generation (RAG), and end-to-end machine-learning pipelines. Hands-on with PyTorch, TensorFlow, CUDA, and time-series forecasting (GRU, Transformer). Built a fully autonomous agentic AI trading platform; deployed real-world ML systems on MEMS sensor streams inside a Tesla Model Y. Prior 16 years as a Computer Science educator, including coaching students to the Taiwan National Computer Programming Championship.

CORE TECHNICAL SKILLS

AI / ML: LLM API engineering (OpenAI, Anthropic), LangGraph, agentic orchestration & tool creation, RAG, PyTorch, TensorFlow, CUDA / NVCC, feature engineering, GRU & Transformer forecasting, walk-forward backtesting

AI Tooling: Claude Code, Codex, Anthropic & OpenAI SDKs, prompt engineering, LLM evaluation & validation

Languages: Python, C, C++, Bash

Data: PostgreSQL, MySQL, SQLite, Microsoft Power BI, Alteryx

Web & DevOps: Flask, REST APIs, Hosting, SSL, Jenkins CI, basic web administration

Collaboration: Git, Agile, Scrum Master, code reviews

PROFESSIONAL EXPERIENCE

Aerendir Mobile Inc. • Bay Area, CA

2025 – 2026

Machine Learning Intern – Data Collection & Analysis

Built an end-to-end ML pipeline on 3-axis **MEMS sensor data** to detect driver presence from tremor patterns; validated in live **Tesla Model Y** road tests.

Led time-series data collection, cleaning, and feature engineering on high-frequency sensor streams; improved model accuracy and reliability on noisy real-world data.

Contributed to an in-car **AI assistant built on LLM APIs**; owned beta testing and validation of LLM outputs for consistency, safety, and user-facing accuracy.

Collaborated with cross-functional hardware and software teams to iterate on system performance and end-user experience.

PROFESSIONAL EXPERIENCE

Independent E-commerce Operator (U.S. – Taiwan cross-border) • San Jose, CA **2025 – 2026**

Owner – Data analytics, pricing & growth

Operated a U.S.–Taiwan cross-border e-commerce business; applied data analysis on sales, traffic, and customer behavior to identify product trends and repeat-buyer cohorts.

A/B tested pricing strategies (e.g., free-shipping thresholds) to grow average order value and gross revenue.

Built lightweight dashboards and SQL queries to support day-to-day, data-driven decisions.

Middle School & High School – Computer Science Department • Taipei, Taiwan **2001 – 2022**

Computer Science Teacher (16 years)

Coached students to **First Place — “National Champions of Computer Programming” — at the Taiwan National Programming Competition.**

Taught programming and computing fundamentals (Scratch, C, computational thinking, information security, collaborative learning) to middle- and high-school students for 16 years.

SELECTED PROJECTS

Autonomous Agentic AI Trading Platform (*Master’s Capstone, CSTU, 2025*)

Designed and built a fully autonomous agentic system for stock and crypto research and trade execution.

Stack: **LangGraph agents, custom tool creation, RAG over market data, Anthropic & OpenAI LLM APIs, walk-forward backtesting harness.**

End-to-end pipeline: data ingestion → feature engineering → strategy generation → backtest → live execution.

AI Market Research Prediction & Execution Platform (*personal business*)

End-to-end platform combining LLM-driven research agents with quantitative signals for market prediction.

Integrated GRU and Transformer time-series forecasting with an LLM-orchestrated decision layer.

YingClaw — Real-time Hardware / Software Integration (*personal project*)

Established and customized an OpenClaw-based system with real-time hardware-software integration, combining embedded control with a software control plane.

EDUCATION

M.S., Computer Systems & Engineering • California Science and Technology University (USA) **2025**

Capstone: AI Market Research Prediction & Execution Platform

M.S., Computer Education • National Taiwan Normal University (Taiwan) **2001**

Thesis: Dynamic Channel Allocation in Hierarchical Cellular Systems

B.S., Computer Science • National Chengchi University (Taiwan) **1998**