

# Yulin Lin

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## Education:

**University of California, Santa Barbara**      **BS, Computer Science**      GPA: 3.64 | Graduated: *June 2025*

**Awards/Certificates:** CCNA, Chancellor's Honors List, Google ADK Kaggle course certificate

**Relevant courses:** Data Struct & Algs., Generative AI, Deep Learning, Database systems, ML & Networking, Computer Vision, Parallel Scientific Computing, Cryptography

## Skills:

**Programming:** Python, C++, JavaScript, SQL, CSS, TypeScript, HTML, C, Java, Assembly

**Dev tools:** Git, Github, Docker Desktop, Vue, Node.js, Vscode, WSL/Linux, Dokku, Spring Boot, PostgreSQL, Kneron, Twilio, Ngrok, Jupyter Notebook, Google Collab, Kaggle

**Libraries:** Pytorch, React.js, Pandas, Tensorflow, Transformers, ADK, NumPy, sklearn

**Fluent Languages:** English, Chinese(Mandarin-Traditional), Taiwanese

## Intern/Work/Research Experience:

**NLP/LLM Researcher - Palpilot(Milpitas)**

*June 2024 - Sept. 2024*

- Designed agent-based conversational customer support system with tool use that can answer, reject, and transfer calls appropriately, based on relevancy of conversation to training data and database.
- Implemented web search chatbot model that learns through conversation over time.
- Ran, trained, and analyzed various datasets on several models: Gemini 2, GPT3, LLaMa 2, etc.
- Other tools: Pytorch, Tensorflow, Hugging Face Transformers, Kneron, Twilio, Ngrok, etc.

**AI training - Outlier/Scale AI(Remote)**

*Dec. 2023 - April 2024*

- Worked on LLM evaluation for supervised fine-tuning tasks to improve model robustness and accuracy.

**Frontend Engineer - PilotCity(San Leandro)**

*July 2023 - Sept. 2023*

- Utilized GitHub, Vue, TypeScript, CSS, and HTML in a collaborative environment to develop interactive and interchangeable modules, including team interface systems.
- Optimized data management via efficient data structures and system design principles to improve latency of database invocations; designed adaptable link validation system.

**Web Dev research project led by Professor Kyrilov(Merced)**

*Aug. 2022 - March 2023*

- Learned to develop Database powered web applications (full stack) for nonprofits.

**CSE Undergraduate Tutor(Merced)**

*Aug. 2022 - May 2023*

## Projects:

**Google ADK Competition - Kaggle: General Data Preprocessor**

*Nov - Dec 2025*

- An autonomous 11-agent pipeline for feature extraction, correlation analysis, skew correction, encoding, and synthetic class balancing, transforming raw inputs into production-ready datasets.

**Caltrain Finder**

*Nov 2025*

- Real-time transit tracker with location-based station discovery, built with React Native and REST APIs.

**1st place in Machine Learning SWF Hackathon - MLH**

*April 2023*

- AI/RF model that classifies crops from satellite images and outputs predictions on maps.

**Others: Music Genre Classification, Credit Card Fraud Detection, RL path finder, Student Registrar Database, Weather/Temp Prediction, Image Stitching, and etc.**