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*
● Evaluated LLMs for supervised fine-tuning tasks to improve model robustness and accuracy.

Frontend Engineer - PilotCity(San Leandro)   *July 2023 - Sept. 2023*
● Built and shipped interactive and interchangeable team interface modules using GitHub, Vue,
   TypeScript, CSS, and HTML in a collaborative environment.
● 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*
● Architected 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.**