Yuqiong (Jade) Liang

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EDUCATION

University of California, Los Angeles Dec 2025

B.S. Mathematics, B.S. Statistics & Data Science, Specialization in Computing

- Cumulative GPA: 3.36/4.0 Department GPA: 3.91/4.0
- Related Coursework: Probability and Statistics, Data Analysis and Regression, Linear Models, Python with Applications, Microsoft Excel, Design and Analysis of Experiment, Data Structures and Algorithms.

SKILLS

Languages	Mandarin Chinese (Native), Cantonese Chinese (Native), Spanish (Elementary).
Programming Languages	Python, R, SQL, C++, LaTeX.
Technical	Microsoft Excel, pandas, NumPy, Power BI, Scikit-learn, Matplotlib, seaborn, Plotly, DuckDB, sqlite3, Tensorflow, Keras, ggplot2, reactable, Scrapy.

EXPERIENCE

Kurma AI **Remote**

Data Analyst Intern Feb 2025 - May 2025

- Build automated pipelines to extract raw text data and embedded images (e.g. tables, plots, figures) from research paper PDFs to train RAG and LLM models.
- Clean extract text by removing special characters, citation patterns, and formatting inconsistencies, and implement code to exclude irrelevant images (e.g., logos, blank images).
- Research and evaluate data extraction and cleaning methods to identify the most effective techniques for producing model-ready data.

Wing Cheung Co. **San Francisco, CA**

Cashier Jun 2015 – Aug 2018

- Provided friendly, accurate service to hundreds of customers during daily transactions.
- Maintained organized, customer-friendly produce displays throughout each shift.
- Memorized and recalled prices for 35+ items to ensure fast, accurate checkout.

PROJECTS

No-Plan Pantry Oct 2024 – Dec 2024

- Built a web scraper using *Scrapy* to extract 15.2k recipes from allrecipes.com for model training.
- Transformed raw data using *pandas*, and tokenized recipes to train *GPT-2*.
- Used *SQL* to extract recipes data based on calorie range, ingredients, and time limit.
- Fine-tuned *GPT-2* on curated dataset to generate recipe suggestions tailored to user-inputted ingredients.
- Designed and accomplished backend logic for *Dash* web application.

Image Classification of Cats and Dogs Nov 2024 – Dec 2024

- Created neural network models using *keras.sequential* to distinguish between images of cats and dogs with 96.73% accuracy, achieving an accuracy increase of 46.53% over baseline model.
- Executed strategies such as data augmentation and data preprocessing to enrich training datasets, and applied transfer learning using a pre-trained *keras.sequential model* to revamp learning efficiency.

Fake News Classification Nov 2024 – Dec 2024

- Standardized text data and optimized model training by batching dataset to process in chunks rather than individual rows, which enhances computational efficiency.
- Designed and trained binary classification models using *Keras* to classify news articles as real or fake.
- Fine tuned model parameters to attain 97.54% accuracy, producing a 45.2% accuracy increase over baseline model.