

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 Python, R, SQL, C++, L^AT_EX.

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.