

# TONY JIN

## AI Engineer | Machine Learning | Business Intelligence | SQL & Python

• Portfolio | GitHub | LinkedIn | [jindexin6@gmail.com](mailto:jindexin6@gmail.com) | (818) 614-8868  
Los Angeles, California, Open to relocation

### SUMMARY

Software Engineer and Data Science graduate student with expertise in full-stack development, data analytics, and applied machine learning. Experienced in React.js, SQL, and Python-based data pipelines. Passionate about building scalable systems, leveraging AI to enhance user experiences, and translating data into actionable insights.

### SKILLS

**Programming:** Python (Pandas, NumPy, Scikit-learn, TensorFlow, PyTorch), SQL, R, JavaScript

**Data Analysis:** Data Wrangling, ETL, Data Cleaning, Statistical Analysis, Hypothesis Testing, A/B Testing

**Databases:** SQL, PostgreSQL, MongoDB, Firebase

**Data Visualization:** Tableau, Power BI, Matplotlib, Seaborn

**Machine Learning:** Regression Models, Classification, Clustering, Forecasting, Deep Learning, NLP

**Cloud & DevOps:** Google Cloud, AWS, Docker, Kubernetes

**AI & Applied Intelligence:** Generative AI, LLM Integration, Prompt Engineering, Model Deployment, MLOps

**Soft Skills:** Team Collaboration, Business Strategy, Problem Solving

### PROJECTS

#### Smart Fridge Tracker

Jul 2025 - Present

Mobile App Development / AI Integration

- Built a mobile app to track fridge inventory, send expiration alerts, and suggest ingredient-based recipes.
- Designed a scalable backend with real-time sync and AI-powered recipe recommendations via OpenAI.
- Delivered a smooth user experience with a React Native interface and Node.js-Firebase APIs.

#### Recipe Searcher

Dec 2023 - Jan 2024

Website Development / Data Analysis at TripleTen

- Developed a recipe search tool with ingredient-based filtering using SQL and Pandas.
- Processed 10,000+ recipes and performed EDA to uncover common ingredient pairings.
- Created visualizations with Matplotlib and Seaborn to highlight cuisine trends.

### EXPERIENCE

#### Sales and Digital Strategy Manager

2024 - Present

AA Premium Inc.

Los Angeles, USA

- Designed and managed the restaurant's website, optimizing user experience and online ordering functionality to drive sales.
- Created business plans leveraging digital tools, promotions, and loyalty programs to boost brand visibility and retention.
- Analyzed sales data and customer insights to optimize marketing strategies and operational efficiency.

#### Freelance Software Engineer

Mar 2024 - Present

Los Angeles, USA

- Built a mobile app using generative AI for image recognition.
- Contributed to open-source projects, enhancing software functionality.

#### Remote Software Engineer

Jan 2024 - Mar 2024

Remote, USA

Slopedia

- Conducted in-depth code reviews, ensuring high-quality software standards.
- Developed interactive front-end solutions using React.js and Tailwind CSS.

#### Frontend Developer

Mar 2022 - Dec 2022

Los Angeles, USA

Fileread AI

- Designed and implemented responsive front-end components using React.js, improving UX by 20%.
- Implemented a sticky header and bulk editing functionality for document tables, improving usability.
- Optimized API calls to reduce load times and improve data retrieval efficiency.

### EDUCATION

#### Illinois Institute of Technology

Mar 2025 - Present

Master of Data Science

#### TripleTen

Mar 2023 - Mar 2024

Fullstack Engineering

#### University of California, Santa Cruz

Mar 2022

BA, Computer Science

### CERTIFICATES

#### IBM AI Engineering Specialization

Aug. 2024

#### IBM Data Analyst Specialization

Oct. 2024