

TONY JIN

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

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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
Slopedia Remote, USA
• 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
Fileread AI Los Angeles, USA
• 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