Mingjian(Norman) Li

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Education

New York University   Jan 2024 – May 2026
- B.S. in Computer Science; Minor in Mathematics   **GPA:** 3.96/4.0
- **Coursework:** Machine Learning, Probability and Statistics, Linear Algebra, Calculus III, ODE, Computer Architecture, Design and Analysis of Algorithm, Data Structure

Shanghai University of Finance and Economics   Sep 2022 – Dec 2023
- B.A. in Accounting; Minor in Statistics   **GPA:** 3.73/4.0

Experience

Software Engineer Intern, SeeM(useums)– Remote   Dec 2024 – May 2025
- Developed a front-end application using React, Next.js, and Redux, featuring authentication, project management, and integration with an AI agent, deployed on AWS for scalable infrastructure.
- Contributed to back-end development by designing data schemas and setting up environments using Docker with Flask in Python, ensuring efficient, scalable, and consistent deployment.

Software Engineer (JS Full-stack) Intern, CoReate– Remote   Jan 2025 – May 2025
- Developed a Web app designed to facilitate student engagement in experiential learning, including features for class registration, passion assessment, community involvement, and mentor engagement
- Collaborated with a cross-functional team using JIRA to manage project timelines, tasks, and communications, enhancing team productivity and ensuring project milestones were met on schedule.

Quant Research Consultant, WorldQuant Brain – Remote   Sep 2023 – Jan 2024
- Build market-neutral, medium-frequency strategy based on cross-field data and sentiment analysis.
- Implement backtesting and refine strategy to improve Sharpe ratio, turnover, and fitness performance.

Projects

Kaggle: Jane Street Real-Time Market Data Forecasting   Oct 2024 - Present
- Conduct data-cleaning, pre-processing, unsupervised learning including clustering and PCA, and visualizations.
- Implement multiple feature transformations and applied regularizations for better performance.
- Fit different models, including SVM, CNNs, RNNs, LSTM and ARIMA with multiple sampling methods.

Portfolio Management and Analysis App with AI   Oct 2024 - Present
- Tools Used:Bert, Transformer, OpenAI API, React, ExpressJS, MongoDB, NodeJS, Redux,
- Developed a portfolio management app with a visualization dashboard for tracking holdings and market trends, integrated Large Language Models and News API for sentiment analysis, delivering tailored financial advice.

Full-stack Web App with AI Chat Box: EcoPantry | Github Link   June 2024
- Tools Used: JavaScript, React, ExpressJS, MongoDB, NodeJS, Azure API, Redux, Sass
- Developed a food management app with user-authentication, multiple pages and sidebar navigator featured with an AI chat box to analyze food and user health data and give management, health and recipe suggestions
- Implement a Dashboard to summarize food storage information with a searching tool and a updated list.
- Collect data and store hashed user information and formatted food information on a MongoDB database.

Supermarket Supply Chain Optimization and Pricing Strategies   Sep 2023
- Led a math modeling project to optimize pricing and restocking strategies for vegetable in a supermarket.
- Pre-process and visualize over 80,000 data of 3 years and conducted Random Forest, ARIMA, and Particle Swarm Optimization for inventory and pricing decisions.
- Outcome: Second Prize in China Undergraduate Mathematical Contest in Modeling Shanghai District

Skills

Tech: Python, C++, R, MATLAB, Full-stack Development (JavaScript, React.js, Node.js, MongoDB), Excel, SQL

Analysis: Machine Learning, Math Modeling, Accounting principles, Economic and Financial Concepts