Jase Guo

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Education Background

New York University Sep 2021 - May 2025
B.S. in Economics and Computer Science. (Minor: Business Study) GPA: 3.5/4.0
Core Courses: Economics Analysis, Computer System Org, Econometric, Information Technology, Data Structure, Portfolio Optimization, Web Application Development, Statistics.

***Publications*:**
Guo, J. (2024). *Efficiency of Trading Strategies in Portfolio Optimization*. 4th International Conference on Management Science and Industrial Economy Development (MSIED 2024), Vol. 39. DOI: https://doi.org/10.54097/8w617878.

Professional Experience

ALMS
Financial Analyst / App Developer May 2024 – Present
➢ Managed a $10K budget to identify and evaluate investment opportunities, aiming for a 30x return and supporting a scholarship program. Conducted research on treatments and pharmaceuticals, analyzing market trends, regulations, and financials, and recommended FUROSCIX (sNDA) as the best investment.
➢ Developed a web application prototype to support a Goldman Sachs grant application, securing funding for a mental health initiative. Designed and implemented features for monitoring seniors' mental health, including automated alerts and support mechanisms for at-risk users.

Bunge Limited
Summer Intern v May 2023 - Sep 2023
➢ Designed the first version of a web-based platform hosting my Python application utilizing the 'openpyxl' package, aimed at streamlining the conversion of financial documents and tax reports into SAP-compatible formats. This innovation significantly minimized manual Excel adjustments, enhancing efficiency for financial data processing.
➢ Served as assistant to the Tax Senior, acted as a central point of coordination for scheduling meetings and planning projects, reinforcing the team's ability to meet critical deadlines and work cohesively towards common goals.
➢ Worked closely with finance team on project to optimize tax positions, contributing to the strategic proposal for the establishment of a new co-company in Hengqin, highlighting ability to collaborate on finance-related initiatives and effectively communicate across departments.

Bank of Communications
Risk Management Analyst *Sep 2022 – May 2023*
➢ Conducted credit risk analysis and due diligence on loans to ensure compliance, offered timely recommendations to senior management, collaborated with cross-functional teams to identify, and resolve data quality issues, improve data accuracy and accessibility, and enhance reporting capabilities.

Research & Project

Independent Research Project Jan 2024 – May 2024
Supervisor: Johannes Muhle-Karbe
➢ Leading an independent research project titled "Efficiency of Trading Strategies in Portfolio Optimization", focusing on the comparative analysis of trading strategies to optimize investment portfolios within complex financial markets.
➢ Grounding research in key financial theories such as Modern Portfolio Theory (MPT) and the Efficient Market Hypothesis (EMH), aiming to bridge the gap between theoretical models and practical investment outcomes.

AI-Powered Assignment Response Tool Development Oct 2023 – May 2024
➢ Collaborated with a professor to design an AI-driven web platform, enhancing student engagement by automating personalized feedback on assignments through a secure, user-friendly interface with student ID login and seamless backend AI integration.

Skills

Language: Mandarin (native), English (proficient), Spanish(Beginners)
Software:Java(Intermediate), Python, SQL, JavaScript(Intermediate), React, R Studio(Intermediate).
Financial: Quantitative Portfolio Management, Tax Basis, Accounting
Certification: Data Analysis From Google, Sports Management from Duke, Frontend developer from Codecademy
Score: GRE:336, GRE Writing: 5.0, TOEFL: 116