

Zhiyuan Zhou

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Summary

Data-driven professional with an interdisciplinary background in analysis, cross-functional collaboration, and industry research. Skilled in managing large datasets, conducting detailed analysis, and delivering high-quality reports.

Education

University of California, Los Angeles

Sep 2021 – June 2025

BA in Economics; BS in Statistics and Data Science

- **Coursework:** Data Analysis and Regression, Databases, Computational Statistics, Monte Carlo Methods, Economic Forecasting, Computation and Optimization, Modeling, Econometrics, Social Problems and Social Change, Urban and Regional Economics, Theory of Economic Growth.
- **Dean's List:** Winter and Spring Quarters of 2022, Fall and Winter Quarters of 2022-2023, and the Spring Quarter of 2023

Experience

Projects Analyst Intern

Beijing, China

PICC Capital Insurance Asset Management

June 2024 – Sep 2024

- **Analyzed Investments:** Conducted financial analyses for wind power and Hong Kong retail space projects, building models to assess cost, viability, and profitability in evolving market and regulatory environments.
- **Reported Progress:** Developed reports and presentations on project progress, utilizing trend analysis and forecasts with clear visualizations, thereby translating complex data into actionable insights for stakeholders.
- **Developed Strategies:** Ensured investment alignment with ESG principles through in-depth environmental and economic analyses, supporting global sustainability goals.

Financial Analyst Intern

Beijing, China

Minsheng Wealth Management

June 2023 – Aug 2023

- **Analyzed Product Portfolio:** Performed in-depth analysis of Minsheng Financial's product portfolio using Excel and Python, identifying trends in maturity, category, and scale to inform strategic recommendations.
- **Reported Market Performance:** Compiled market performance reports and competitiveness analyses, integrating VaR-based risk assessments to support quarterly product reviews and business strategy.
- **Automated data processing:** Used Matlab and Python to automate downloading, organizing, and classifying valuation tables from an FTP server, reducing manual effort while improving accuracy and data synchronization.

Projects

Personal Memo System

[PersonalMemoSystem](#)

- Engineered a MySQL-based memo & metrics tracker with SQLAlchemy for fast CRUD and analytics.
- Maintained data integrity via Alembic migrations and streamlined schema design.

Stock Time-Series Forecasting

[Stock-Time-Series](#)

- Built a forecasting pipeline (ARIMAX, NNETAR, XGBoost, GARCH) with engineered features like RSI, MACD, and Bollinger Bands.
- Enabled automated cross-validation across stocks and timeframes.

Skills

Programming: Python, MATLAB – Machine Learning, Automation, Web Scrapping

Data Analysis & Visualization: R, SQL, Excel – Statistical Modeling, Data Cleaning and Management

Business & Productivity Software: Google Suite, MS Office

Soft Skills: Project Management, Team Coordination, Communication, Adaptability

Languages: Fluent in English & Mandarin