# Yifan Liang

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## Education

**New York University**, *College of Arts & Science*, New York, NY — Sep 2021 - May 2024

- B.A. Economics (*Honors*); Minors: Business Studies, Mathematics
- Cumulative GPA: 3.929/4.000; GMAT: 770/800 ($99^{\text{th}}$ Percentile)
- Honors & Societies: University Honors Scholar, Dean's Honors List, Member of Economics Society
- Coursework: Econometrics, Time Series Forecasting (***PhD-Level***), Debt Instruments & Markets, Financial Accounting, Ownership & Corporate Control, Statistics for Business Control, Intermediate Macro/Microeconomics, Linear Algebra

## Work Experience

**Accenture Co., Ltd.**, *Strategy Consultant*, Shanghai, China — Apr 2023 - Jul 2023

- Combined the PEST and SWOT models to analyze the entry drivers and entry barriers of each market track of the property management industry for China Communications Construction Company (CCCC)
- Analyzed the trends of key quantitative indicators, including market size, profitability margin, return on investment (ROI), and return on equity (ROE), with the consideration of central government's and region-specific policies towards the property management industry
- Forecast future total available market (TAM) and serviceable obtainable market (SOM) based on compounded annual growth rate (CAGR) and recent-year research by experienced practitioners
- Proposed the market entry advice by adopting the quantitative and qualitative information above, together with a detailed comparison between CCCC and the incumbents of the property management industry in China

**CITIC Futures Co., Ltd.**, *Financial Derivatives Analyst*, Shenzhen, China — May 2022 - Jun 2022

- Conducted the KYC and market research regarding the practical investment significance and application methods of commodity index futures at the Guangzhou Futures Exchange (GFEX)
- Researched the characteristics of some potential commodities like sorghum and coffee and analyzed why these commodities can be classified into GFEX's commodity index futures
- Forecast the risk-hedging potentiality of GFEX's commodity index futures and analyzed the role of it in investors' portfolio using multiple regression models
- Presented and defended my analysis of GFEX's commodity index futures tailored for the major investor groups with peers, experienced practitioners, and supervisors

## Papers & Projects

**Honors Thesis**, *New York University - College of Arts & Science*, New York, NY — Sep 2023 - Now

- Authored the thesis titled *The Relevance of Credit Ratings in China's Corporate Bond Market*
- Gathered, analyzed, and visualized the large datasets from WIND and iFinD financial terminals
- Modeling the data through multinomial logistic and binary variable regressions
- Advised by Dr. Andrew Paizis from NYU CAS

**Stock Price Forecasting Project**, *New York University - Stern School of Business*, New York, NY — Oct 2023 - Dec 2023

- Forecast the stock price of Microsoft Corporation, Inc. and Apple Inc. based on ARIMA-GARCH model
- Optimized the selected model through quantitative metrics including ACF, PACF, and Corrected Akaike Information Criterion
- Examined the model adequacy through the analysis of level-dependent volatility, conditional heteroskedasticity, and a series of hypothesis tests including Jarque-Bera test and Ljung-Box test

## Extracurricular Activities

**LaTeX Package Developer & Maintainer**, *CTAN* — Jan 2023 - Now

- Published and currently maintaining the `zennote` and `tidyres` packages on CTAN
- Developed based on LaTeX3 and LaTeX $2_\varepsilon$ programming languages
- Packages accepted by TeX Live and MiKTeX distributions
- Licensed under "Creative Commons CC-BY 4.0" (***Public Copyright License***)

## Skills

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| *Proficient* | Time Series Forecasting, R Programming, Stata Programming, LaTeX Programming & Formatting, SaaS Management & Implementations, Project Management & Coordination, NPS/CES/CSAT Survey Design |
| *Intermediate* | Python Programming, SQL Data Querying, Tableau Data Visualization |
| *Elementary* | Inkscape Vector Graphic Design for Financial Illustrations |