

Jiran Ou

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EDUCATION

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| University of California, Los Angeles | Los Angeles, CA |
| • <i>Master of applied statistics and data science; GPA: 3.9/4.0</i> | 2023.9 - Present |
| Queen's University | Kingston, On Canada |
| • Bachelor of arts - applied economics; GPA: 3.3/4.0 | 2018.9 - 2022.5 |

EXPERIENCE

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| China Minsheng Bank Corp., Ltd | Nanjing, CN |
| Data Analyst | July 2020 - September 2020 |
| <ul style="list-style-type: none">○ Presented data analytics and recommendations to medical company;○ Developed functional and technical specifications and analysis report;• <ul style="list-style-type: none">○ Assisted with generating monthly metric status report;○ Completed various data collection and data mining activities from primary and secondary data sources. | |
| Lu Pu Investment | Shanghai, CN |
| Intern, Data Engineer, Security Financing Department | June 2021 - September 2021 |
| <ul style="list-style-type: none">○ Calculated historical mean of turnover, spread, rolling volatility, Sharpe ratio, Sortino Ratio, MAR to classify 70 ETFs and selected the ETF with best liquidity for strategies from each section.○ Reconstructed back -testing framework for running arguments parallelly; Modified three commodity future strategies(KDJ,risk parity, GS money strength)to accomodate requirements of trading ETFs.• <ul style="list-style-type: none">○ Designed UIs to lively watch market indicators and generate trend&volatility graphs for traders.○ Designed a risk monitoring system for announcements of listed companies via NLP techniques and ensemble modeling based on SVM and random forest; Successfully detected short-term negative events with 76% f-score | |
| Shanghai PuFa International Economic Development Institute | Shanghai, CN |
| Assistant Researcher | June 2022 - August 2022 |
| <ul style="list-style-type: none">• <ul style="list-style-type: none">○ Assisted team manager to analyze economic situations among different periods in Chinese history○ Collected accurate historical economic data and made relevant reports with the support of the state economic department○ Analyzed statistical trend on two world financial crises (1929-1935 and 2008-2010), including causes and effects, governmental decision, and consequences of domestic inflation in 2009○ Proposed the approach to improve income equilibrium index with Monte Carlo model and detailed solutions for Chinese domestic fiscal policy in next 5-10 years and potential challenges ahead | |

PROJECTS

Economic Experimental Design: An Experimental Investigation of Tariff

Team Leader

- Worked on a team to select Sino-US tariffs as motivation and learn how to design scientific experiment
- Designed experiment, collected and transferred massive data into charts and graphs, made regression testing
- by STATA, calculate means, median and confidence intervals
- Made demand curves and calculated the equilibrium price and quantity, the producer and consumer surplus
- Used game theory, economic modeling and computer techniques to deduce and visualize the results

SKILLS SUMMARY

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- Languages: **Python, R, SQL, STATA**
 - English skill: GRE score 334
 - CFA level 1 examination(pass)

HONORS AND AWARDS

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- American Mathematics Competitions(Top 1%) - May, 2017