

HONGZHEN DU

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Education

Xi'an Jiaotong-Liverpool University

Sep. 2019 – Jun. 2023

Bachelor of Economics | Finance Track

Suzhou, China

Overall GPA: 3.7/4.0

Relevant Coursework

- Multivariable Calculus
- Linear Algebra
- Differential Equations
- Financial Management
- Probability and Statistics
- Econometrics
- Microeconomics
- Macroeconomics

Working Experience

Orient Securities

Jul. 2021 – Aug. 2021

Summer Intern, Asset Management Department

Guangzhou, China

- Took charge of tracking daily dynamics and wrote commentary on fluctuations in China's A-share market.
- Archived transaction records from Wind Database and summarized market trends and activities in reports.
- Attended daily and weekly meetings and dealt with meeting minutes.

Research Experience

Word Representation in Biomedical Domain Under Natural Language Processing | Group Member **Feb. 2022**

- Performed Word Embedding through Word2Vec, utilized PCA to reduce dimensionality and visualized 50 biomedical entities extracted from a sample dictionary with 1800 words by t-SNE.
- Analyzed the relevant words co-occurred with COVID-19 through comparing PMI and filtered the Top 10 most semantically similar entities with coronavirus by calculating cosine similarity.

Analysis between Domestic and Foreign Output Gap | Research Assistant with Prof. Syed Abbas **Oct. 2021-**

- Extracted monthly and quarterly total trade, GDP and IPI raw data of Top 50 trading partners of US, UK, Canada, Australia and New Zealand between 1980 and 2019.
- Used HP filters to generate output gap and potential output, with running STATA to export dataset containing trade weights and output gap.

Economical analysis of Hong Kong during the Asian Financial Crisis | Group Leader **Sep. 2021**

- Utilized the AS-AD Model and IS-LM-PC Model to illustrate its simulation on Hong Kong's economic performance between 1997 and 2003, in addition to computation of the Equity Risk Premium through CAPM Model.

Governmental Regulation in Chinese Online Game Industry | Member **Jan. 2020 - Apr. 2020**

- Categorized the existing ethical problems and changes in government regulatory policies and departments in the past decade of Chinese game industry

Leadership Experience

LinkedIn (China) Global Business Challenge

Oct. 2021 – Nov. 2021

Team Leader

- * Analyzed the current business model of LinkedIn (China) after withdrawing social functions and forecast future user growth patterns under possible new features.
- * Investigated the feasibility of offering online professional courses with widely recognized certificate for possible job seekers, aimed at filling skill gaps.

Research on Promoting Local Product by E-commercial Live Broadcast

Dec. 2020 – Apr. 2021

Co-leader, Runner-up of University Social Practice Competition

- * Proposed the overall research portfolio and put forward 3 possible industries and feasibility research.
- * Organized the field investigation to select the local representative in presentation – Su Yin Jewelry.
- * Directed a roadshow that reproduced the research process and performed a mixture of drama, live broadcast and hip-hop.

Additional Information

Software Skills: Microsoft Office (Word, PowerPoint, Excel), Python, STATA, MATLAB, EViews, Bloomberg, LaTeX

Language: Chinese (native), English (fluent), Cantonese (fluent), Spanish (Elementary)

Interests: Travel, Urban Exploration, Fan Mail, Trainspotting