

Qiyuan Peng

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EDUCATION

Washington University in Saint Louis

Sep 2021 - Dec 2022

Business Analytics Master

- GPA: 3.77/4.0
- Related Courses: Advanced Corporate Finance I- Valuation (A), Financial Tech: Methods and Practice (A), A/B Testing in Business and Social Science (A), Quantitative Methods in Economics, Stochastic Foundations for Finance, Text Mining (A)

The Chinese University of Hong Kong

Sep 2017 - Jul 2020

Business Administration bachelor

- GPA: 3.4/4.0 (major gpa: 3.5)
- Relevant Coursework: Portfolio Analysis and Risk Management, Corporate Finance Case Studies, Options and Futures, Fixed Income and Securities Analysis
- Honors/Awards: 2019 Academy Dean List (top 10% of majors), exchange student scholarship

PROJECT EXPERIENCE

Portfolios of Investing in Cryptocurrencies, Stocks, and Treasury Bonds

Sep 2022 - Dec 2022

Leader

- Collected data of 3-year daily returns from January 2019 to October 2022 of 8 different stocks with 964 rows and 7 columns
- Performed linear regression analysis to investigate the relationship between four chosen dependent variables and four chosen outcome variables
- Built two optimized portfolios which are well-balanced between Cryptocurrencies, Stock and Treasury Bonds for risk-averse investors and successfully beat the benchmark after 2021

Tribal Industries Research for Flex Payment Solutions

May 2022 - Jul 2022

Team Lead

- Carried out a thorough study of the client's company Flex Payment Solutions from perspectives, such as finance, market, customers, and products
- Allocated team members to perform research on different industries, including tribal hospitality, cannabis growing and alcohol industry
- Recommended list of potential cooperative tribes to client and praised by them

Explore Wordings that Indicates High Price for Airbnb Accommodations

Jan 2022 - May 2022

- Performed topic modeling using Latent Dirichlet Allocation on the listing accommodation on Airbnb in NYC in 2019 with 5 features, 16 columns and 48,895 observations
- Analyzed regression of price and wordings using deep neural network based on different regions and topics
- Conducted sentiment analysis associated with names of houses to help with customers' decisions using unsupervised lexicon-based methods

Python for Finance

Aug 2020 - Oct 2020

(instructed by Prof. Miquel Alonso at New York University from remote)

- Predicted the trend of 8 representative Biotech stocks in 2020 by applying historical data to Facebook Prophet
- Created a max Sharpe portfolio with the help of Monte Carlo simulation and Python programming
- Input 10 years of daily prices of the portfolio into an ARIMA model to do regression and forecasting
- Visualized price fluctuation and concluded Biotech market reaction to COVID-19

United States Covid-19 Cases and Death Insights

Jan 2022 - May 2022

- Processed COVID-19 data which contains 15 features and about 46500 records from Jan 2020 to Jan 2022 using Tableau
- Created multiple charts to show the cases and death of COV-19 against time and states, including heat map, line chart, bar chart, rank bump chart, and KPI chart
- Analyzed COVID-19 cases and death data and provided recommendations to government and Americans

INTERNSHIP EXPERIENCE

3Meta

Mar 2023 - May 2023

Research Assistant Innovation Market and Operation Department

Beijing

- Conducted research of world's most influential encryption projects, most revolutionary new technologies, and most interesting new trends, including GameFi, AI, Web3 Automation Tools
- Supported the operation of the company's investment research products and activities
- Conducted interviews with entrepreneurs, investors, developers, and industry experts, and organize interview minutes

China Industrial Securities

Jun 2021 - Aug 2021

Research Assistant in Macro Department of the Institute of Economics and Finance

- Conducted research on the food and beverage industry using Wind, CEIC, Bloomberg and other public data to assist the team to understand the dynamics of the industry and the operating conditions of leading companies
- Established and visualized of mesoscale databases, helping the team to better track data changes in various industries
- Tracked vaccination data, FED movements, and macro data to assist the research team in completing the research report
- Completed China economic trend analysis research and visualized the results to fulfill the request of the customers

MISCELLANEOUS

- **Skills:** C++, r, vba, python, java, SQL, tableau, hive, deep learning, text mining
- **Certifications:** IELTS: 7.5 (L 8.0, R 9.0, W 7.0, S 6.5) GRE: 331 (V 161, Q 170) CFA Level I Passed
- **Languages:** Mandarin (native), English (fluent), Cantonese, French