Hao Huang

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Skills

Programming: Python, R, Tableau, LaTeX, Stata, SPSS, MATLAB
Certifications: CFA Level I candidate, Bloomberg Market Concepts

Education

Boston University, Questrom School of Business — Boston, MA
M.S. Mathematical Finance & Financial Technology — Expected January 2022

- Coursework: Stochastic Methods in Asset Pricing, Statistics, Programming

South China University of Technology — Guangzhou, Guangdong, China
B.Econ. Finance (GPA: 3.75) — July 2020

- Relevant Coursework: Corporate Finance, Financial Engineering, Financial Risk Management
- Awards: Received school-level scholarships for three consecutive years and Excellent-Freshmen scholarship

Experience

Macro Dragon Asset — Hangzhou, China
Quantitative Analyst Intern — July 2020 - Present

- Develop and test effect of trading factors and optimize parameters (Python, Linux server)
- Build several CTA futures trading strategies on multiple futures (Python)
- Extracted data on the company's mutual funds from MySQL database and analyzed annualized returns, variance, max retracement, Sharpe ratio

Bank of China — Haikou, China
Quantitative Analyst Intern — July 2020 – August 2020

- Created first quantitative analysis system for stock trading in private bank department at Hannan branch
- Customized quantitative trading method and optimized parameters for important customer (Python)

Triangle Accounting — Shanghai, China
Financial Analyst Intern — December 2019 - February 2020

- Led group members to conduct financial analysis of target company and presented report to customer
- Provided suggestions to client on types of services to sell based on market and macroeconomic conditions

Everbright Securities — Haikou, China
Intern, Investment Advisory Department — January 2018 - February 2018

- Analyzed macro-policy and characteristics of Chinese stock market and applied different strategies according to stage of special Chinese market. Analyze key industries and collected data for key stocks to examining their exotic volatility
- Communicated with investors about accounts and assisted customers in daily business

Projects

Stanford University — Stanford, CA
Application of AI and Big Data in Quantitative Transactions (remote) — April 2020 - June 2020

- Collected transaction data from internet and performed data cleaning and standardization (Python)
- Constructed quantitative trading strategy and utilized machine learning to optimize return of portfolio (Python)

South China University of Technology — Guangzhou, Guangdong, China
The Impact of TPU on Foreign Exchange Risk — March 2019 - March 2020

- Scraped text content of reports from news websites and counted frequency of certain words (Python)
- Gathered financial data of listed companies and built models to estimate FX risks for companies (Stata)

The influencing factors on Financial Market Participation — March 2018 - March 2019

- Applied probit model to analyze relationship between financial inclusion and participation of Chinese families in the financial market (Stata)