Yining (Coco) Qu

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EDUCATION

The University of Chicago **Chicago, IL**
Master of Science in Financial Mathematics **Expected December 2024**

- Courses: C++, Machine Learning, Stochastic Calculus, Data Science, Portfolio Theory & Risk Management, Python, Option Pricing, Probability & Stochastic Processes

Emory University **Atlanta, GA**
Bachelor of Arts in Economics (Specialization: Financial Economics)
Bachelor of Science in Applied Mathematics (GPA: 3.9/4.0) **May 2023**

- Courses: Linear Optimization, Partial Differential Equations, Probability and Mathematical Statistics, Numerical Analysis, Econometrics, Money and Banking, Advanced Financial Market, Programming
- Awards: Dean's List Fall 2021

SKILLS

Computing: Python, Jupyter, Java, SQL, MATAB, Stata, Github, MS Office
Knowledge: Financial Markets, Asset Management, Machine Learning, Data Analysis, Time Series Analysis

EXPERIENCE

Alpha Squared Capital Co., Ltd. **Hangzhou, China**
Quantitative Research Intern **July 2023 – August 2023**

- Researched investment strategies to develop the most suitable investment targets for conservative investors
- Created corresponding investment strategies using specific grid trading and market timing approaches in Python to improve 47% returns and reduce risk by 20%
- Engaged in high-frequency trading of oil futures; contributed to daily meetings for market analysis, trade evaluation, and strategy formulation; applied risk management and market analysis techniques to enhance trading skills

Everbright Securities Co. Ltd **Beijing, China**
Investment Banking Summer Intern **June 2021 – August 2021**

- Assisted in assembling due diligence report for private placement of a listed company and writing the basic situation and company's position in the TV and film industry
- Developed customer and supplier interview syllabi and conducted interviews; collated the shareholder penetration and the official announcements of two IPO projects

Golden Ant Equity Investment Management Co., Ltd **Hangzhou, China**
Industry Research Intern **September 2020 – January 2021**

- Investigated Kinggrid Technology to analyze its industry status in the electronic contract industry
- Studied artificial intelligence foreign merger and acquisition cases and identified profitability, industry scale, and popularity for each AI category to assist in assembling the industry analysis report

RESEARCH

Emory University **January 2022 – May 2023**
Factors Underlying Copper Price Fluctuations

- Conducted explosive behavior and multiple structural break tests using STATA to identify specific copper price fluctuation period, generated the abnormal return to determine the impact of winning the Minnie Healy lawsuit on copper stock prices
- Utilized fuzzy matching algorithm to merge the trust companies' daily stock exchange data in 1904 and 1905-1910
- Managed research assistants by assigning tasks and checking completion progress, and organized weekly meetings with professor

ADDITIONAL INFORMATION

Languages: Mandarin (fluent), Korean (basic)