**Yi Hu**

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**education**

**Master of Science in Finance, University of Kentucky**, Lexington, KY  Expected Dec 2024

Coursework: Accounting, Corporate Finance, Investments Practicum, Financial Modeling and Analytical Tools

**Master of Science in Business Analytics, Columbia University**, New York, NY  Dec 2022

Coursework: Optimization, Probability & Simulation, Data Analytics, Supply Chain Analytics, AI in Finance

**Bachelor of Economics, Kobe University**, Kobe, Japan  Mar 2020

Coursework: Statistics, Micro & Macroeconomics, Econometrics, Money and Banking, Advanced Mathematics

**Bachelor of Arts in Japanese Language and Literature, Wuhan University**, Wuhan, China  Mar 2020

Honors: China National Scholarship (2016), Aeon Scholarship (2017), Kobe Foundation Scholarship (2018)

**project Experiences**

**Interpretability in Deep Learning Models Used for Time Series Forecasting** June 2022 - Aug 2022

* Explored several implementations of the N-BEATS model to predict S&P 500 index prices.
* Adopted grid search algorithm to observe statistical error under different hyperparameter combinations. Adopted Bayesian tuning method and found the optimal combination.
* Visualized the relevance and interpretability of each hyperparameter for project advisor’s use in his work.

**Personalized Investment Recommender for Startups** Sep 2021 - Dec 2021

* Developed a content-based model based on NLP, complemented by collaborative filtering method to provide enhanced recommendations based on both user’s preferences and similar users’ search history.
* Designed a web app embedded with a search engine to sort through recommendation results across 8000+ startups; Optimized user interface and API to increase usability for both technical and non-technical users.

**PROFESSIONAL experiences**

**Guotai Jun'an Securities,** Wuhan, China

**Sales Department Intern** Aug 2018 - Sep 2018

* Served as an ambassador to promote the Guotai Jun'an Demo Trading Contest at three local universities; Delivered impactful introductory speeches that showcased value of the program, driving active participation from over 60 students across four classes.
* Conducted research on the sugar cane industry by analyzing financial statements from 9 related companies.

**AEON MALL,** Wuhan, China

**Sales Department Intern** Jul 2018 - Aug 2018

* Engaged in daily mall operations, gaining in-depth knowledge of retail logistics; Formulated marketing strategies for the mall by analyzing daily store turnover and evaluating advertising response rates.
* Conducted marketing research across eight local competitors, compiled a comprehensive analysis report with Tableau visualizations, and presented findings for management’s review.

**language and it skills**

* Technical Skills: proficient in data analytics and visualization with Excel, Python, R and Tableau, experience with managing databases with PostgreSQL or SQLite. Passed CFA Exam Level I (Oct 2024).
* Spoken Languages: fluent in English and Japanese, native in Chinese