

Daoming Zhang

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EDUCATION

NEW YORK UNIVERSITY

New York, NY

The Courant Institute of Mathematical Sciences

M.S. in Mathematics in Finance (expected Dec 2022)

- **Future Coursework:** time series analysis, Black-Litterman, factor model, Monte Carlo simulation, Black-Scholes, stochastic processes, ML(SVM), logistic regression, FAMA-French

UNIVERSITY OF MARYLAND, COLLEGE PARK

College Park, MD

BS in Applied Mathematics and Computer Science (Sep 2017-May 2021)

- **Coursework:** probability, statistics, MLE, linear algebra, database, data structures, algorithms, linear regression, data cleaning, k-nearest neighbor, machine learning

EXPERIENCE

HUIJIN ASSET MANAGEMENT Co., Ltd

Shanghai, China

Assistant Product Manager Internship (Jun 2021-Aug 2021)

- Assisted with disclosing related party lists and financial and accounting statements in due diligence. Used WIND-Economic database and read industry reports, and kept updated with the AI and New Energy industry
- Collaborated with the operation manager in calculating the daily net value of the company's fund products and launching new fund products

GUOSHEN SECURITIES

Shanghai, China

Intern Financial Analyst, Asset Management (Jan 2020-Feb 2020)

- Analyze the financial statements to understand the financial position, profitability of the client company, including balance sheet, income statement, and cash flow. Collaborated with co-workers on the due diligence report
- Conducted research on regional financial development and economic competitiveness in China and studied the urban infrastructure financing platform and credit rating system

INDUSTRIAL AND COMMERCIAL BANK OF CHINA

Changzhou, China

Summer Intern, Investment Banking (Jun 2019 - Jul 2019)

- Participated in an M&A loan project. Reviewed its recent financial statements and current status of operations to investigate M&A industry background and its motivation

PROJECTS

UNIVERSITY OF MARYLAND

College Park, Maryland

Analysis of San Francisco crime dataset(Python) (Oct 2020-Dec 2020)

- Analyzed San Francisco crime dataset in the year of 2016, utilized Python packages such as folium, seaborn, and Pandas to explore relationships between different criminal attributes
- Designed and executed an interactive map to view the crime occurrence and risk levels

Independent Project with Shan Yang in J.P. Morgan Chase & Co.

Online

Financial Market Data Analytics & Modeling(Python) (Jun 2020-Jul 2020)

- Collected the data of stock and indices from Yahoo Finance, constructed a pipeline, and utilized MySQL and Python packages such as Numpy and Pandas to automate the data collection, wrangling and analysis
- Explored various techniques used in feature selection and dimensionality reduction. Applied several models like linear regression and random forest to predict stock trends

COMPUTATIONAL SKILLS/OTHER

Programming Languages: Python, Java, Ruby, SQL, Matlab

Languages: English, Mandarin (native)