Yuqi Liu

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FINANCIAL ANALYST GRADUATE

Highly self-motivated, detail and results oriented, responsible and enthusiastic financial professional with demonstrated success in statistics, programming, data analysis and visualization, as well as diverse background in banking, finance and tech startup. Able to work independently and collaboratively with individuals at all levels.

SKILLS & CERTIFICATIONS

Python: Pandas, Numpy, Scipy, yfinance, datetime, math, statsmodels, Flask, BeautifulSoup, Bokeh, Matplotlib
Other Tools: R, MongoDB, MySQL/PostgreSQL, SAS, HTML, Tableau, JavaScript, Git, Bloomberg, AWS Textract
Certificates: Bloomberg Market Concept, Financial Risk Manager (FRM) from GARP: Passed Part I

SELECTED PROJECTS

Execution in High Frequency Trading using Reinforcement Learning (Python)   Spring 2019
  − Achieved algorithmic trading by connecting learning algorithms with Stevens High Frequency Trading system.
  − Monitored agent behavior by visualizing training iteration with 3D bar charts and action distributions.

Pairs Trading System (Python, MongoDB)   Fall 2018
  − Designed interactive dashboard with calculated statistics and plots based on incoming json data in MongoDB.
  − Maximized usability and experience by embedding multiple Bokeh tables and visualizations into Flask Apps.

DuPont Analysis and Its Efficacy (Tableau, R)   Fall 2017
  − Harmonized and structured raw data generated from Wharton Research Data Services and Yahoo Finance.
  − Observed and identified indicator pattern and distribution using the data visualization tool Tableau.
  − Examined and explored the efficiency of DuPont analysis for gauging company stock returns across different sectors through fitting linear, logistic regression and classification (LDA, QDA, KNN) models.

INDUSTRY EXPERIENCE

Data Science Intern
MyKlovr, New York, NY   May. 2019 - Present
  − Implement algorithm to generate data and perform ETL to improve data quality and performance.
  − Maintain, organize and analyze large database up to 10Mib to support AI modelling in MySQL Workbench.

Research Associate Intern
Beijing Jiawo Asset Management Co., Ltd, Beijing, China   Jun. 2018 - Aug. 2018
  − Built and maintained a 2.17GB structured database with acquired A-shares' financial and market data.
  − Gathering and reported findings and insights to Chief Investment Officer with the compiled industry report.
  − Resolved and identified the impact of capital flows to index yields of different term structure.

Wealth Management Analyst
Bank of China, Beijing, China   Aug. 2012 - Jul. 2017
  − Evaluated and quoted interbank offered rate and completed interbank deposits amount up to $360 million per transaction by coordinating departments from different financial institutions.
  − Directed due diligence and ensured internal control compliance for opening escrow accounts.
  − Strengthen business efficiency and slashed labor costs 4% by leading the branch retail banking team to promote the implementation of intelligence counters.
  − Initiated and increased brand awareness by establishing social media marketing using developer tools.
  − Assisted in developing business growth by providing accurate, courteous and professional customer service.

EDUCATION

M.S. in Financial Analytics, Stevens Institute of Technology, Hoboken, NJ   Aug. 2017 - May 2019
STEM verified degree • Graduate Certificate in Financial Statistics   GPA: 3.943/4.0

B.S. in Finance, Beijing Jiaotong University, Beijing, China   Aug. 2008 - Jun. 2012
B.S.B.A in Finance, Northern Arizona University, Flagstaff, AZ   Aug. 2009 - Dec. 2011
Sino-American 1+2+1 Dual Degree Program • Dean's List five times   GPA: 3.8/4.0

VOLUNTEER EXPERIENCE

Treasurer
Stevens Graduate Women in Business Club, Hoboken, NJ   Spring 2019
  − Organized club activities by preparing and facilitating budgets, while ensuring accurate and complete financial reporting.