Shuting Li

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EDUCATION

Boston University, Department of Mathematics & Statistics, Boston, US | **January 2023**

Master of Science in Statistical Practice, **GPA: 3.93**

Wuhan University, Institute for Advanced Study, Wuhan, China | **June 2016**

Double Major: Bachelor of Science in Mathematics, Bachelor of Arts in Finance, **GPA: 3.55**

Awards: Scholarship for outstanding students (top 10%)

Selected Coursework: Machine Learning, Applied Statistical Modeling, Conceptual Foundations in Statistics, Optimized Method of Operation Research, Probability, Computational Statistics, Data Science in R

PROGRAMMING SKILLS

Python, R, SQL, Oracle, Excel VBA

PROFESSIONAL EXPERIENCE

Fidelity Investments, Student Partner – Data Scientist, Boston, US | **October 2021 – May 2022**

- **Identified Inefficiencies in Fidelity's Snowflake Data Warehouses:** Defined multiple efficiency metrics and conducted K-means clustering to identify consistently inefficient warehouses
- **Cost Prediction:** Constructed features and built a linear model to predict warehouse costs on a rolling basis, achieved a mean percentage error rate of 27%

HAND Enterprise Solution Company Ltd, IT Consultant, Shanghai, China | **May 2017 – February 2020**

- **Clients**: Huawei Technologies, Toyota, China National Instruments Import & Export Group Corporation (CNIIEGC), Zhengzhou Metro Group Corporation
- **API Design**: Constructed API in SQL to connect Oracle system with Bank of China, pushed companies' autopay orders to Bank of China and received payment details from the bank; automated data synchronization process between companies' Office Automation (OA) system and Oracle General Ledger module
- **Data Analysis Support**: Created a sales prediction platform by interacting Oracle with Python. Implemented functionalities: time series prediction, regression analysis, statistical tests, visualizations
- **Accounting Support**: Developed customized subledger accounting rules in Oracle for clients; generated financial reports using data from Oracle system, including Consolidated Financial Statement, Income Statement, Balance Sheet, and Statement of Cash Flow; reconciled the difference between automatically generated financial reports and general journals

PROJECTS

Mouse Movement Analysis, *Boston University Neuroscience Laboratory***,** Boston, US | **March 2022 – May 2022**

- Built models such as Logistic and Random Forests to predict the movement directions of mice based on the time series recording of neuron activities, achieved an accuracy of 78%

Animal Role Analysis, *Boston University Archaeology Laboratory***,** Boston, US | **February 2022 – April 2022**

- Performed ANOVA test on isotope level to distinguish between wild and domestic animals in ancient Mexico

ADDITIONAL INFORMATION

- Interests: Hiking, Photography, Badminton, Cooking
- Languages: English, Chinese