

SHIHAO YING

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SKILLS

Language & Databases: SQL, SQL Server, Java, Python, Bloomberg, Git, Hive, Hadoop

Certification: Bloomberg BMC, Eikon DataStream, Factset on Financial Modeling, Data science with Python workshop

Statistical Skill/Modeling: Linear regression, Classification, A/B Testing, k-NN, Decision Tree, Neural Network, K-Means Clustering

Software: MS Visio, MS Project, Visual Paradigm, Eikon, Factset, Bloomberg, SAS Enterprise Miner, SAP, Tableau

Python package: NumPy, scikit-learn, pandas, matplotlib, seaborn, keras, jupyter notebook, Scrapy

EDUCATION, CERTIFICATIONS & TRAINING

M.S., Information Technology Management GPA: 3.8

University of Texas at Dallas, December 2018

M.S., Finance GPA: 3.95

University of Texas at Dallas, May 2018

B.S., Business Law

Shanghai University of International Business and Economy, June 2011

Relevant Courses: Applied Machine Learning, Statistics and Data Analysis, Business Data Warehousing, Financial Modeling, Accounting for Managers, System Analysis and Project Management, Business Analytics with SAS

WORK EXPERIENCE

AI Law Inc.

March 2018 – September 2018

Business Analyst Intern

Cupertino, CA

- Tested new product with developing team, found 36 improvement issues and communicated with developing team to launch new product on time.
- Created a database with 70,000+ rows of H1-B application information by Python Scrapy.
- Programed in SQL to extract, clean and aggregate the database to generate potential customer list based on location and employer.
- Visualized the analytical findings into Tableau for potential customers in California and helped sales team develop 3 new company connections.

The University of Texas at Dallas

August 2016 – December 2017

Teaching Assistant

Richardson, TX

- Managed all databases in Finance Trading lab, including Bloomberg, FactSet, Thomson Reuters Eikon, Capital IQ and MorningStar
- Tutored students who need help on corporate finance and other finance questions
- Created user's guide of databases in Finance Trading lab for university website
- Coached 60+ students in understanding financial models in Excel and corporate finance concepts; graded students' homework and exams on investment and financial modeling.

HIGHLIGHTED ACADEMIC PROJECTS

Twitter Buzz Prediction Project: (Machine learning)

- Analyzed Twitter dataset to predict probability of buzz with 77 attributes related by Python
- Applied machine learning models in scikit-learn package for regression and classification analysis, such as kNN, linear regression, logistic regression, polynomial regression, simple SVM, SVM with kernels, decision tree etc.
- Presented performance of each method, built a research report and identified the best attributes and methods to improve buzz rate

Acquisition analysis of Juno Therapeutics, Inc by Celgene Corporation as buy-side adviser:

- Evaluated the proposed acquisition of Juno Therapeutics, Inc by Celgene Corporation as buy-side adviser
- Estimated performance and prepared a fully integrated models for 10-year projections with emphasis on the deal rationale, synergies, cost saving, ratio analysis, quantitative factors, leverage etc.

SAP Data Warehousing Analysis:

- Imported Company's sales data into SAP BW with mapping, ETL and transformation
- Employed Query Designer to create and define queries by utilizing data targets in SAP NetWeaver BW
- Created customer and product dimension view, and combined them with actual sales to form a cube view
- Built another cube view for the planned data and union those two cubes in a calculation view for forecast analysis
- Utilized SAP Design Studio to generate reports and dashboards on the analytical views built in SAP HANA