SHIHAO YING

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SKILLS

Language & Databases: MySQL, Java, Python, Bloomberg, R, Hive, Hadoop, Hue, Presto, Git
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
   Scholar of Distinction
M.S., Finance   **GPA: 3.9**   University of Texas at Dallas, May 2018
   Scholar of High Distinction
B.S., Business Law   Shanghai University of International Business and Economy, June 2015
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

AILaw Inc. May 2018 – Jan 2019   May 2018 – January 2019
Business Analyst Intern   Mountain View, CA

- Identified 30+ improvement opportunities for new products by A/B testing and communicated with developing team to launch new product on time.
- Created a database with 100,000+ 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

UT Dallas Finance Trading Lab and Tutoring Lab   August 2016 – December 2017
Lab Manager.   Richardson, TX

- Managed all databases in Finance Trading lab, including Bloomberg, FactSet, Thomson Reuters Eikon, Capital IQ and MorningStar
- Led a team of 12 Teaching Assistants and increased yearly tutoring rate by 16% and satisfaction rate by 9%
- Created user's guide for Bloomberg, Eikon and Capital IQ in Finance Trading lab for university website
- Coached 150+ 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

Sentiment analysis of "Iron Man 3" by Hive and Tableau:

- Imported raw data from Hadoop and created Hive table for calculating and storing sentiment of each tweet.
- Calculated the sentiment of each tweet based on polarity of word and location in Hue.
- Visualized the analytical findings of tweet in Tableau for specific sentiment of "Iron Man 3" in different location.

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.
- Built a fully integrated cash flow models for 5-year projections with the emphasis on the deal rationale, synergies, cost savings, ratio analysis, qualitative factors etc.
- Built a research report and pitched acquisition bid price range in front of industry professionals, finance professors