**SHIHAO YING**

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* Expert in different cloud platform, including AWS, Azure and google cloud platform.
* Expert in different Big data platform, such as Hadoop, Hive, Spark, Pig to manage different data sources
* Used scapy to collect data on certain website to prepare dataset before analysis
* Experienced in Machine learning package in Python, such as Numpy, Scikit-learn, Pandas, Matplotlib, Seaborn, Jupyter Notebook, etc.
* Expert in Excel and financial modeling with an expansive knowledge of Excel functions, including vlookup, index, pivot table, revolver, VBA, etc.
* Expert in financial database software, such as Bloomberg, FactSet, MorningStar and Thomas Reuter Eikon.
* Experienced in financial analysis for merge and acquisition or other company valuation and prized second in investment banking valuation competition
* Knowledgeable in corporate finance and valuation methods for other financial derivatives
* worked as teaching assistant in UT Dallas last 2 years in investment and financial modeling class for master students
* CFA level 2 candidate

**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