**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

*Scholar of Distinction*

**M.S.,** Finance **GPA: 3.95** University of Texas at Dallas, May 2018

*Scholar of High Distinction*

**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**

**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 on corporate finance and helped them using databases in the lab
* Hosted the trade simulation competition in the school and attracted 200+ participates into the competition
* 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
* Built the financial model in excel with revolver for valuation and evaluated the deal by DCF, comparable transaction analysis and comparable company analysis
* Estimated performance and prepared a fully integrated models for 10-year projections with emphasis on the deal ratios, synergies, cost saving, ratio analysis, quantitative factors, leverage etc.
* Built a research report and presented it to the industry professionals and professors

**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