

# SHIHAO YING

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*Information Technology Management and Finance graduate primed for a career as a **Business Analyst** in the finance/technology industry.*

## SKILLS

**Language & Databases:** SQL, SQL Server, Java, Python, Bloomberg,

**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., Finance GPA: 3.95**

University of Texas at Dallas, May 2018

**M.S., Information Technology Management**

University of Texas at Dallas, December 2018

**B.S., Business Law**

Shanghai University of International Business and Economy, Shanghai, China

**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

### Business Analyst Intern

**AILaw Inc. (2018)**

- 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+ H1-B information by Python Scrapy.
- Used Tableau make a list of potential customers in California, which successfully helped sales team develop 3 new company connections.
- Presented an advertisement to promote our new product on Dealmoon.

### Teaching Assistant

**University of Texas at Dallas (2017-2018)**

- 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 and prepared user 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

### Database Management:

- Built and managed transactional database for a gym to help the gym transfer from paper to digital member management.
- Created a menu-driven environment for the database system with MS Access.
- Designed and developed data input and report forms to made it easier for the gym managers.

### 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.