

# Shihao (Charles) Ying

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## SKILLS

**Computer Language:** SQL, Python, Bloomberg, Git

**Certification:** Bloomberg BMC, Eikon DataStream, Factset on Financial Modeling, Data science with Python workshop, Google Analytics for Beginners, Advanced Google Analytics

**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

### Operations Manager

*Zendure USA Inc.*

April 2019 – Present

Palo Alto, CA

- Established the connection with online sales channels with internal order admin system, Amazon, Shopify, Until Gone, etc.
- Established internal ERP system (Oracle NetSuite) and procedures, including auto-reporting, expense controlling, etc.
- Generated monthly financial report, including income statements, balance sheets and cash flow estimates
- Estimated monthly sales and import inventory for the US online channel and offline distributors to optimize inventory turnover
- Consolidated expense report for crowdfunding project and calculate ROI of the project
- Maintained office operations and services with general administrative tasks
- Prepared returns for income tax, sales tax, to compile with federal, state and international tax requirement with CPA firm
- Set up employee benefit plan, including health insurance and 401K, with HR Management firm.

### Teaching Assistant

*The University of Texas, Dallas*

June 2017 – December 2018

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+ participants 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

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

- Connected Hadoop to command line interface
- 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.

### Job Title recommend system

- Collected raw data as company list, job posting list and O\*Net title list crawled by Python scrapy.
- Created dataset by Jupyter notebook and stored dataset in AWS
- Developed a machine learning model using natural language processing and neural network to predict the target job title for H-1b candidate
- Deploy the service on AWS