**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**  April 2019 – Present

*Zendure USA Inc.*  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**  June 2017 – December 2018

*The University of Texas, Dallas* 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**

**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 scapy.
* 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