

Shihao (Charles) 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

Operations Manager

Zendure USA Inc.

April 2019 – Present

Palo Alto, CA

- Established online sales channels and order admin system with Amazon, Shopify and NetSuite.
- Established internal ERP system and procedures, including auto-reporting, expense controlling, etc.
- Prepared monthly financial report, including income statements, balance sheets and cash flow statement
- Developed the finance policies to comply with management controlling requirement
- Responsible for various accounting functions: payroll, account payable, account receivable and general accounts
- Communicated with suppliers for PO quantity and date to confirm a health inventory turnover and logistic process
- Worked with external CPA firm on federal, state and international tax requirement, including income tax, sales tax, VAT, etc.
- Maintained office operations and services with general administrative tasks.
- Worked with external vendor for human resources management and employee benefit plan, including health insurance and 401k retirement plan

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