

Shunchao Zhu

Proficient with Python/R/Hadoop Ecosystem | Actively seeking part-time position as Data Analyst/Financial Data Analyst

Plano, TX - Email me on Indeed: [indeed.com/r/Shunchao-Zhu/c638a14cb7256b78](https://www.indeed.com/r/Shunchao-Zhu/c638a14cb7256b78)

- Solid blended background in financial analysis, risk management, and skills in predictive analysis and data mining
 - 2 Years of experience with analyzing and building predictive model on large datasets by utilizing advanced statistical modeling, data mining and machine learning
 - Strong written, verbal communication and interpersonal collaboration skills
- Willing to relocate
Sponsorship required to work in the US

WORK EXPERIENCE

Data Scientist Intern

Neutron Mobile, Inc - Los Angeles, CA - April 2017 to July 2017

- Collected 10 years of historical loan information from Lending Club API, performed over 1 million data processing and derived 100+ feature screening and engineering
- Built and tuned classification models using Python XGBoost and Random Forest to estimate whether a particular loan will be fully paid or defaulted; Achieved AUC of 0.7 for testing data and reduced investment risk by 22.65 percent.
- Developed regression model for total investment return, adjusted investment portfolio with appropriate balance of risk and return, outcome improved performance by 134.56 percent
- Designed and deployed a web application to perform interactive evaluation of loans on 6 most important features retrieved from models as a product

Teaching Assistant

University of Texas at Dallas - Dallas, TX - January 2017 to April 2017

- Assisted in managing financial trading lab and tutorial lab
- Trained 100+ students to acquire and analyze financial data from Bloomberg Terminal and Capital IQ
- Tutored questions and concerns from at least 15 students in a week, regarding courses like Financial Management
- Conducted several futures, options and stocks projects using Thomson Reuters EIKON and FactSet

EDUCATION

M.S, in Finance

The University of Texas at Dallas - Richardson, TX
August 2015 to December 2017

M.S, in Information Technology Management

The University of Texas at Dallas - Richardson, TX
August 2015 to December 2017

SKILLS

Data Analysis (2 years), Python (2 years), Power BI (Less than 1 year), R (2 years), SAS (2 years), Java (Less than 1 year), Hadoop (Less than 1 year), Spark (Less than 1 year), Bloomberg Terminal (3 years), Capital IQ (3 years), Thomson Reuters EIKON (1 year), FactSet (2 years), SDC Platinum (1 year), Tableau (2 years)

LINKS

<https://www.linkedin.com/in/shunchao-zhu-1729a9113/>

ADDITIONAL INFORMATION

TECHNICAL SKILLS

Data Analysis: Data cleansing (aggregation, matching, replacing), Exploratory data analysis (descriptive statistics)

Data Visualization: Tableau, Power BI, Python (matplotlib, seaborn, plotly, bokeh), R (ggplot)

Programming: Python (pandas, numpy, scipy, scikit-learn, XGBoost, LightGBM), R, SAS, Java, Matlab

Machine Learning: Regression, Classification, Clustering, Dimensionality Reduction, Neural Network

Big Data: Amazon AWS, Hadoop, Hive, Spark, Pig

Financial Domain: Bloomberg Terminal, Capital IQ, Thomson Reuters EIKON, FactSet, SDC Platinum