Xiang Shang

Singapore  Sinagapore  | (65)90371449 | xiangshang4@gmail.com

Professional Summary

Perceptive and logical data analyst with proven ability to communicate with both technical professionals and end users to identify and translate business requirements. Offering 3 years of experience driving data accuracy and integrity. Proven ability to build and lead teams of talented professionals to develop valuable process solutions to meet business objectives.

Skills

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| ⚫ Programming language (Python, Java)  ⚫ Web Development (Angular, Django, Node.js, PHP)  ⚫ Database (PostgreSQL, MongoDB) | ⚫ Data Visualization (Tableau)  ⚫ Macro and VBA  ⚫ Shell Scripting (Windows & Linux) |

Work History

January 2019-Current

Analyst | MIZUHO Bank | Singapore

➢ Innovation & Project Team

⚫ Developing business process automation by using Python and PHP under HTTPs protocol to set up direct connection with server to achieve straight through transactions

⚫ Led the “Mizuho Dashboard” project: set up Tableau server for the whole bank to build interactive dashboards and conducted training for bank staff

⚫ Proof of concept as a full stack developer: by using Angular as frontend framework, Node.js as backend web server to extract corresponding data from Microsoft SQL server.

➢ Risk Management Department

⚫ Researched on customer current accounts, financial profiles, and conducted joint analysis using Bloomberg market index

⚫ Developed supervised machine learning models to explore potential deposit behaviors; providing early warning indicators to reduce interests rate risk

➢ Corporate Banking Department

⚫ Developed customer on-boarding platform with Django web framework, presented proposal to headquarter in Tokyo on behalf of Singapore branch

Education

June 2018

Bachelor of Science

National University of Singapore, Singapore

* Majored in **Applied Mathematics**, with specialization in Operation Research & Financial Mathematics
* Minored in **Computer** **Science,** with concentration on Machine Learning

Academic Activities and projects

**04/2020-06/2020 Remote Research, *Natural Language Process***

**Advisor: MIT Postdoctoral Researcher Fan Zhang**

**Telegram Chatbot to check real-time stock price**

➢ Applied Named-Entity recognition and Intention recognition technology to capture information from human chat.

➢ Deployed the Chatbot on Telegram by Python and extracted real-time stock price by open-source API.

**1/2018-05/2018** ***Data Mining***

**Data-mining competition on Kaggle; predict taxi prices based on trajectories**

➢ Applied regression models and classification models on more than 400,000 records of data with Python.

➢ Won second place in the competition.

**08/2016-12/2016 Coursework of** ***Database Systems***

**Stuff Sharing System for a virtual company, an online portal that allows its employees to exchange stuff**

➢ Built the database, devised the schema and whole schedule of the team, including variables, relationship between tables and programming in the server

➢ Analyzed system functionality and technical specifications, applied Ruby on Rails as the framework