Fangyuan Xie

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OBJECTIVE

Seeking Opportunity for 2022 Data Scientist Summer/Fall Intern

EDUCATION

Northeastern University - Seattle   Exp June 2023

Master of Analytics - GPA 4.0

Capital University of Economics and Business (CUEB) – Beijing   June 2020

Information Management and Information Systems Bachelor - GPA 3.8

Relevant Coursework:

Data Structure, Principles of Database, Big Data Distributed Computing, Machine Learning, Data Warehousing and Data Mining

SKILLS

Tools: Python, R, SQL, Hive, Hadoop, Linux, Java, Tableau, Docker, Presto, MATLAB

Domains: Machine Learning, Computer Vision, Software Development, Data Modelling, Data Analysis and Visualization, Statistic

PROFESSIONAL EXPERIENCE

(Intern) Software Engineer - JD.com   March 2021-August 2021

- Built CentOS+**Python**+Chrome+Selenium environment through Dockerfile, and developed a tool by using Python to monitor Data-Screen and record the changes of data during peak hours
- Developed an OCR interface on basis of **OpenCV** to detect the abnormal data in Data-Screen and push exceptions to the Responsible person
- Automated read and parse promotion activities data in email attachments, storged into **MySQL** and uploaded to **Hadoop** applied Big Data Platform (BDP)
- Utilized statistics and **Machine Learning** knowledge to do correlation analysis on customer service and used Xgboost model to predict service score in next week, pointed to the key improvement modules, adjusted R-squared reached 0.83

(Intern) Data Engineer - JD.com Technology   July 2020-March 2021

- Responsible for the **ETL** of Jingxiaozhi(platform) automated the process of collecting customers' event tracking data and writing them into MySQL tables and HBase
- Transferred and validated 30+ Merchant tables and Session Log tables from old Data Center
- Visualized inter-table correlations using Java and echarts to show the relationships between 700+ data extract tasks and support process optimization
- Extracted merchants' usage data, Session Log, AI quality check of Jingxiaozhi by using presto and **visualized** it through **Tableau**

RESEARCH EXPERIENCE

Big Data and Intelligent Transportation Center of CUEB (Beijing)   May 2020-July 2020

- Software Copyright Certificate for MVC Based on Airport Mobile Management Information System （Fourth author）
- Patent for Collaborative Pension Service Method and System Based on Intelligent Terminal and Big Data Analysis (Teamer)

Semester Practice (CUEB)

- Improved the **CNN** algorithm for the time series of stock data, the final model's correct prediction rate can reach 83%
- Utilized MVC frame and bootstrap to build an accident **prediction and visualization** platform
- Used **selenium** to scrape second-hand cars and built a multiple regression model to predict the price of the car
- Implemented the algorithm of **BP neural network** by using C language and tested it by the MINST handwritten data set, the Accuracy is 97%

LEADERSHIP EXPERIENCE

CUEB Students Art Troupe – Head   Sept 2017-June 2019

Qianxun—Anti-loss positioning system in Innovation and Entrepreneurship Competition – Leader   Oct 2017-June 2019

HONORS AND AWARDS

Outstanding Graduate of Beijing   July 2020

Second Prize of the 9th of "Challenge Cup" National Undergraduate curricular academic science and technology   June 2019

Excellent Student Leader Honor   Dec 2018

National Encouragement Scholarship   Oct 2018