XIAOJIE SHI

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EDUCATION

NYU Tandon School of Engineering, *New York City*   05/2019

Master, Computer Science, Major GPA: 3.70 / 4.0

- Courses: Algorithm Design, Cloud Computing, Big Data, Machine Learning

East China Normal University, *Shanghai*   06/2017

Bachelor, Software Engineering, Major GPA:3.07/4.0

- Courses: Java Programming, Database Principles, Operating System
- Awarded 3rd Prize of Academic Year 2015-2016 Excellent Student

SKILL

➢Languages: JAVA, Python, JavaScript ➢Databases: SQL, MySQL ➢ Frontend: HTML5, CSS ➢ Data: Hadoop, Spark

INTERNSHIP

BEIKE FINANCE, *Shanghai*   06/2018-08/2018

Software Engineer

- Wrote ETL SQL on the Zeppelin pulling daily data from data warehouse to the data center, then scheduled jobs on the Azkaban for automation.
- Visualized the production data by using the Superset for providing data scientists with intuitive charts to improve APP activity.
- Created part of mail function sending a screenshot of the dashboard to the manager by using Phantom JS.
- Developed a data pipeline tool used for converting JSON to SQL script.

SELECTED PROJECT

Human Detection using backpropagation neural network *(Python, Machine Learning)*   10/2018-12/2018

- Using the Histogram of Oriented Gradients (HOG) as the feature of the image.
- Designed a two-layer backpropagation perceptron for classifying images and output the probability of having detected human in the picture.

AI–driven Chat Bot for Dining Suggestions based on AWS *(Python, JavaScript, REST API)*   02/2018-04/2018

- Implemented a serverless, micro-driven web application hosted on the S3.
- Designed user-friendly front end and used Cognito to verify the user's identity.
- Built a dining concierge Chatbot get customer requirement and get restaurant information by using Yelp API.
- Integrated SQS, Lambda, and SES to send suggestions to the customer by Email.

Explore NYC Parking Violations *(Python, Hadoop, MapReduce, Spark)*   02/2018-04/2018

- Analyzed different aspects of parking violations in NYC using Hadoop streaming.
- Wrote map and reduce programs to find several aspects of NYC Parking violations
- Improved the analyze efficiency by using Spark.

Wireless Meal Ordering System based on Android *(Java, Servlet, SQL, Tomcat, Http)*   01/2017-04/2017

- Fulfilled function of online ordering on the platform of Android.
- Used HTTP to connect the client with Tomcat server which uses the servlet to respond to different requests.
- Realized personnel management and menu management using MySQL, supporting addition, deletion, and revision of data.