Xinyue Li

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SKILLS

Technical: Python, SQL, R, Tableau, Java, Ruby, JavaScript, C, HTML, MatLab, MS Word, Excel, PowerPoint
Interpersonal: Communication, Multitasking, Time-Management, Collaboration, Critical Thinking, Story-Telling
Data-Related: Data Exploration, Data Visualization, Statistics, Machine Learning

EDUCATTION

University of Michigan, Ann Arbor **08/2021-Present**
M.S. Information | ***Interest*****:** *Big Data Analytics*
The Ohio State University **09/2017-05/2021**
B.S. Computer Science & Engineering (3.76/4.0) | ***Honors:*** *Dean's List 6/6 semesters, Magna Cum Laude*

Coursework:
Database System, Software (Components, Develop & Design), Foundations (Discrete Structure, Data Structure & Algorithm), Systems (Computer Organization, Operating System), Computer Networking, Principle of Programming Languages, Machine Learning, Speech and Language Processing

INTERNSHIPS

Google **10/2020-11/2020**
Intern, Big Data
- Processed acceleration data collected from users' wearable sensors, analyzed it from different dimensions(across users and across labels), and explored more useful features through statistical data (mean value and standard deviation);
- Established LSTM model with scikit-learn to classify human activities.

China Comservice Wangying Technology Co., Ltd. **07/2020-08/2020**
Intern, Research and Development Department
- Processed and cleaned customer service datasets;
- Did data visualization and exploration to provide improvement recommendations.

PROJECTS

Bisecting 2-Mean Clustering **10/2020-11/2020**
Individual Project
- Built a functional Dendrogram data structure, implemented Bisecting Clustering algorithm from scratch, and applied the algorithm on the input data;
- Evaluated the user's specified parameters (intra-cluster distance, cluster size and number), and stopped bisecting until any of the criteria based on these parameters was met.

Twitter Sentiment Analysis **09/2020-10/2020**
Group Project
- Implemented Logistic Regression from scratch for sentiment classification, used pre-trained Word2Vec for word embedding, and got 70% accuracy;
- Implemented the bag-of-words embedding, removed noisy words (stop words, numbers, unstandardized words), and increased the accuracy to 78% with the Logistic Regression model.

Parking Reservation System **10/2019-11/2019**
Individual Project
- Designed a database with MySQL for information addition, retrieval and update;
- Implemented functional pages with PHP for users to reserve parking space according to their personal requests.