

Ming Chen

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EDUCATION

Fordham University, New York

Aug.2018 – Dec. 2019

Master of Science in Data Analytics GPA: 3.82

Huzhou University, Huzhou China

Sep. 2014 – Jun.2018

Bachelor of Science in Mathematics & Applied Mathematics

Relevant Coursework

Data Mining, Machine Learning, Big Data Programming, NoSQL Database System, Cloud Computing

DATA EXPERIENCE

Research Assistant at Fordham, NY

May. 2019 – Present

Student Admission Committee

- Developed a pipeline to auto preprocess applicants' data and generate different figures by Pandas and matplotlib
- Apply S3VM, SVM+, S3VM+ by CVXPY with different solvers to predict the students' academic performance

To-do-list Web Application, NY

Mar. 2019 – Present

<https://infinite-refuge-98657.herokuapp.com/>

- Front-end by HTML and CSS, back-end by Node.js&Express.js with RESTful API
- Managed all data with MongoDB Atlas. Deployed app in Heroku

Deloitte March Madness Data Crunch, NY

Feb. 2019 – Apr. 2019

NCAA® ML Competition 2019-Men's, Kaggle Top 20%

- Integrated Player's Value from Internet to the original dataset by Python
- Built machine learning models to predict the result of the tournament such as Logistic Regression and SVM
- Utilized Tableau to visualize data, delivered conclusion to stakeholders at all levels

Twitter Tag Analysis with Spark Streaming, NY

Nov. 2018 - Dec. 2018

- Retrieved live tweets with certain tags by tweepy and processed raw data with PySpark Streaming
- Visualized the live tweets with seaborn and matplotlib

Data Mining Project, NY

Nov. 2018 - Dec. 2018

Diabetes 130-US hospitals for years 1999-2008 Dataset

- Preprocessed raw data with missing value, categorical variable and imbalanced result by Python
- Split data to test/train and applied cross validation with different models such as Random Forest, SVM by scikit-learn
- Visualized all results with line chart and bar diagram in Python matplotlib and collaborated with team to present results

LEADERSHIP EXPERIENCE

Huzhou No.11 Middle School, China

Aug. 2017 – Nov.2017

Math Teacher

- Increased average math score from 88 to 93 in Reginal High School Entrance Exam by mistake-type analysis and immediate feedback to students
- In charge of the scoreboard and competition arrangement during the Annual Sports Festival

SKILLS AND LANGUAGES

Programming Languages: Python, R, SQL, MongoDB, Matlab, Scala, HTML, CSS, JavaScript

Data Analytic Tools: PySpark, Pandas, Numpy, Scikit-learn, Pytorch, Keras, Tensor Flow, Tableau, Weka, SPSS

Computer Tools: Spark, Google Cloud, AWS, Git, Heroku, Docker, Postman