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
Chung Yuan Christian University, Taiwan Sep. 2016 – Jan. 2017
Exchange student in Applied Mathematics

Relevant Coursework
Data Mining, Machine Learning, Big Data Programming, Data Visualization with Tableau, NoSQL Database System

DATA EXPERIENCE

Deloitte March Madness Data Crunch, NY Feb. 2019 – Apr. 2019
NCAA® ML Competition 2019-Men's

- Collected and cleaned Player's Value from Internet and added this feature to the model by Python
- Built several models to predict the result of the 2019 NCAA tournament such as Logistic Regression and SVM
- Utilized Tableau to visualize graphic related data, concluded important factors to win NCAA tournament with the model
- Ranked top 20% in the Kaggle with final result log loss 0.47

Twitter Tag Analysis with Spark Streaming, NY Nov. 2018 - Dec. 2018

- Rretrieved live tweets with certain tags by tweepy and processed raw data to nametuple 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

Preservation and Investigation of Cultural Heritage - Haining Shadow Play, China Jun. 2017 - Jul. 2017

- Distributed 700 questionnaires, performed crosstab analysis of the results, and visualized them with SPSS
- Designed quantifiable questions to collect public's knowledge, affection, opinion about the shadow play
- Conducted factor analysis and applied linear regression and logistic regression to the data to prove the applicability of the survey results for government research

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, Pytorch, Pandas, Matlab, HTML, CSS, JavaScript
Computer Tools: Tableau, Weka, SPSS, Excel, Word, Google Cloud
Languages: Proficient in Mandarin and English
Interests: Guitar, Hiking