JIAJIE LU

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EDUCATION

Stevens Institute of Technology *2021-*
PhD student of Pure and Applied Mathematics

Stevens Institute of Technology *2019-2021*
Master of Applied Mathematics
Optimization of Stochastic Systems

Shanghai Normal University *2014-2018*
Bachelor of Statistics

EXPERIENCE

Stevens Institute of Technology Feb. 2020 - May 2021
Grader *Hoboken, New Jersey*

· Grade the assignments and give out solutions on typical problems for courses: MA 346 *Numerical Methods*; MA 611 *Probability*; MA 612 *Mathematical Statistics*.

PingAn OneConnect Fintech Ltd Feb. - Aug. 2018
Data Analytic Intern *Shanghai, China*

· Data Analyst Intern responsible for assisting on making business decisions.

- Built a model to predict recall rate of potential inactive customers. Applied sliding window to extract features in time series data. Structed Random Forest and Logistic Regression model to predict certain the probability of successfully activating customer through specific ways. Achieved final recall success rate exceed 75% of baseline.
- Composed a report about the performance of Auto-ML in different platforms. Wrote feedback including benefits and shorts of these platforms. Concluded their prospective of applying into industry can be expected.
- Helped enhancing daily task efficiency. Wrote Python scripts to automatically generate monthly report. Reduced 90% of working time.

PROJECTS

JData Prediction Based on the Purchase of High-Latent Users Apr. - Jun. 2017

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- Predicted user purchases of specific products over the next five days based on user historical behavior information. Extracting characteristic values from user historical behavior based on the user portrait and hands-on experience. Creating new features by using the RNN model.
- Finished user behavior prediction for the promotion of specific users in the next five days by modeling with XGBoost model.

Labelling the Cellphone Users Based on Carrier Usage Data Jan. - Feb. 2017

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- Cleaned data with pandas in Python and utilized supervised learning model such as Linear Regression and Random Forest to deal with missing values.
- Applied K-means method for grouping and made user portrait.

- * Labelled cellphone users according to our definition of dependency according the results of data analysis.

TECHNICAL STRENGTHS

Machine Learning	Python with Numpy and Pandas
Programming	Python, R, Matlab and C++
Language	Mandarian, English