Jiajie Lu

Education

Stevens Institute of Technology *September 2021 – present*
Ph.D in Mathematics
Stevens Institute of Technology *September 2019 – May 2021*
Master of Science in Applied Mathematics
Shanghai Normal University *September 2014 – May 2018*
Bachelor of Science in Statistics

Experience

PingAn OneConnect Fintech Ltd., *Shanghai, China* *Feb 2018 – June 2018*
Data Analytic Intern

- 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.

Nextcode Ltd., *Shanghai, China* *Aug 2017 – Dec 2017*
Data Management Intern

- Used shell scripts to automate the process of entering gene sequencing data from the production line.
- Enable automatically generation of analysis reports and their exportation by monitoring the procedure and adjusting the scripts.

Projects

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

- 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 2017 — Feb 2017*

- 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.

Skills

- **Language:** Mandarin (native); English (proficient)
- Programming: Python; R; Mathematica; Matlab; C++