Ruxin Li

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TECHNICAL SKILL

- **Programming Tool**: Python (Sklearn, Pandas, Numpy), R, SQL, Excel VBA
- **Machine Learning**: GLM, Tree-based Methods (XGBoost,Decision Tree), SVM, Clustering
- **Big data tool:** Pyspark, MapReduce
- **Visualization**: Tableau, Python(Seaborn, Matplotlib)

OBJECTIVE

Strong analytical professional with Supply Chain background and practical data-related project experience. Creative, passionate, organized team leader, motivated to solving company problems through analyzing complex data; able to communicate complex concepts to diverse audiences.

EDUCATION

July. 2019 -May. 2020 **William and Mary, Raymond A. Mason School of Business**
Master of Science, **Business Analytics** GPA: **3.82**

Aug. 2014 - Dec. 2018 **Beijing Materials Institute**
Bachelor**, International Supply Chain Management**
Old Dominion University GPA: **3.71**
Bachelor of Science, **Supply Chain Management**
Bachelor of Science, **Business Analytics**

EXPERIENCE

Modeling Analyst, Ferguson
MSBA Capstone [link] Mar. 2020- May. 2020

- Designed automated data pipelines for over 40000 rows of integrated data (external and internal) using Alteryx, manipulated and cleaned data with Pandas in Python
- Recommended new showroom locations for Ferguson by developing predictive analytics models (GBM, XGBoost, and SVM, etc.), evaluated the models by 10-fold validation, selected the best model based on MAE
- Produced interactive dashboard to provide location selection insights for Enterprise information management team

Logistic data statistician, Deppon Logistics Jan. 2019- May. 2019

- Optimized logistics transport capacity of a cosmetic company customer by building binary constraint model in Excel OpenSolver
- Created a visual dashboard of monthly transportation volume, periods delay of logistics nodes, and presented to managers to decide major routes of customers, saved transportation space 16.7%, transportation cost $69,640

SYNUTRA France International, International trade data statistician June 2019 - July 2019

- Classified diverse diery products into groups, reallocated cargo space based on Best Fit Algorithm in Python
- Provided forecasts of weekly container stuffing charge by building ARIMA time series model in R
- Wrote reports about prediction on container stuffing charges within 95% confidential intervals, reduced goods backlogs by 20%

PROJECT

"Conversion Rate prediction using AWS SageMaker" Mar 2020 - April 2020 **[link]**

- Managed, accessed over 300,000 records in S3 bucket, built machine learning models in notebook instance using AWS SageMaker.
- Trained and tested the models by customizing a 6-core, linux-based machine in AWS EC2
- Predict user conversion rate for an e-commerce company based on Gradient Boosting classifier framework, produced an overall accuracy of 98.6%

Airbnb Data Analytics: Top Cost-Effective Houses Dec. 2019 - Feb 2020 **[link]**

- Processed, transformed Airbnb housing data into RDD using Big Data platform Spark
- Wrote SQL queries in Spark to perform analytical tasks, provided sorted lists of most cost-effective houses on Airbnb to customers

ADDITIONAL INFORMATION

Leadership

- Minister of Organizing Department, CSSA
- Captain, campus Women's Soccer Team

Volunteer

Union Mission Ministries:
Organized CSSA members to sort and carry out donation materials

Personal website:
ruxinli.github.io

Certificate

- Beta Gamma Sigma
- Starbucks Barista