Ruxin Li

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SKILLS

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

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	**Old Dominion University**
	Bachelor of Science, **Supply Chain Management**
	Bachelor of Science, **Business Analytics** GPA**: 3.71**

EXPERIENCE

Supply Chain Analyst, The Penrod Company   July. 2020- Now

- Collect and organize transport documents to manage shipments using ERP tool Microsoft AX
- Create weekly reports in Excel to monitor shipment details and update information with vendors and agents
- Export inventory data from Microsoft AX, create a dashboard in PowerBI to provide purchase suggestion for buyers to keep the minimum net requirement
- Provide monthly supply chain prediction to balance supply and demand plan by collaborating with IT to decide the optimal forecast model for each product
- Manage invoicing process and monitor weekly payment plan

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

- 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

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

- Classified diverse dairy 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 the 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%

News Headline Prediction with RNN   Feb 2020 - Feb 2020**[link]**

- Transformed, trimmed the text data, mapped unique words to integers in Python deep learning API Keras
- Built long shot-term memory (LSTM) NN model with a loss function of categorical crossentropy, set model checkpoint to monitor the loss
- Tuned the model by changing the number of units, layers and prediction sequence length.
- Generated reasonable text prediction for news headlines.

Big Data Analytics: Airbnb 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

Certificate

- Beta Gamma Sigma
- Starbucks Barista