

XINRAN XU

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EDUCATION

SIMON BUSINESS SCHOOL, University of Rochester – Rochester, NY

December 2020

Master of Science in Business Analytics (A STEM-Certified Program)

(Available for full time job in May)

Supply Chain Trek

Clubs: Simon Data Analytics Club, Simon Pricing Club

FISHER BUSINESS SCHOOL, The Ohio State University – Columbus, OH

May 2018

Bachelor of Science in Business Administration – Supply Chain Management

Awarded Dean's List – Three semesters

Clubs: VTravel – Human Resource Manager; ISS – Member

ANALYTICS PROJECTS

PREDICTIVE MODEL – ASSESS CREDIT RISK USING PYTHON & INTERFACE

Oct 2019 – Dec 2019

- Analyzed over 10,000 applicants' information with home equity line while targeting at variable 'Risk Performance' and used standard scaler function in Python to cleanse data.
- Built and compared models between KNN, Random Forest, Support Vector Machine and Logistics Regression which resulted in 72.02% accuracy in logistics regression model.
- Developed a running prototype of a graphic interactive interface for all predictive models to sales representatives in the credit card company to make decision on accepting or rejecting applications.

TEXT CLASSIFICATION OF AIRLINES' COMMENTS ON TWITTER USING R

Oct 2019 – Dec 2019

- Applied Bing Liu's Opinion Lexicon to count appearance of positive and negative words through training dataset over 4,500 tweets and created a word cloud in R.
 - Classified tweets using Naïve Bayes method and represented all the tweets as corpus to get 2,110 positive predicted tweets.
 - Counted positive and negative words of each tweet using R and classified into complaint and noncompliant tweets.
 - Summarized 157 non-negative tweets and achieved the precision of 80.89% under machine learning models.
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PROFESSIONAL EXPERIENCE

SEA-AIR LOGISTICS, LIMITED – Foshan, Guangdong, China

June 2018 – Sept 2018

IT Information Department, Intern

Created in-house price and demand forecast tool to improve accuracy and reduce costs.

- Redesigned import and export processes; ran queries in SQL and Microsoft Access by importing various datasets to analyze the procurement performance and ensure maintenance of customs compliance, resulted in a 30% reduction in duty costs.
 - Analyzed inbound domestic and international transportation trends, resulting in reduction of inventory holding costs by \$3,000.
 - Assisted the senior team to design and implement cloud solution for demand forecast models to ensure response time, warehouse order arrivals and departures met customer expectations.
 - Conducted qualitative data analysis based on 150 monthly surveys related to market demand for products, product awareness in Guangzhou district, which improved transport efficiency by 10%.
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SINOPHARM GROUP CO., LTD. – Wuhan, Hubei, China

May 2017 – June 2017

Logistics Center, Intern

Collaborated with operations team to optimize transportation flow and save costs.

- Assisted in optimizing standard operating procedures of a logistics center and supported supply systems implementation, saving \$145,000 through inventory balancing.
 - Played a key role in developing analytical models that decreased transportation costs by 5% in transport areas within specific carrier constraints.
 - Participated in collecting and analyzing warehouse business, product quality information, and unified various statistical reports, aiming to provide accurate information for senior managers to help them in decision making.
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SKILLS & INTERESTS

- Technology Skills:** R, Python, Tableau, SQL Server; MS Office Suite (Excel, Word, Access).
- Analytical Modeling:** SVM, Clustering, Tree-based methods, PageRank, Conjoint Analysis, Market Simulation
- Volunteer Work:** Conservancy for Cuyahoga Valley Nation Park (2016), Culture Exchange Visiting Tour (2017).
- Languages:** Mandarin (native speaker); English (business proficient)