Xukun (Frank) LIU

● (551) 358-5414 ● 5342 N CENTER DR, Greenbelt, MD 20770
● xukun.liu@rhsmith.umd.edu ● xukun.liu@outlook.com
● www.linkedin.com/in/xukunliu1994/ ● www.xukun-liu.com

EDUCATION

University of Maryland, Robert H. Smith School of Business — **College Park, MD, USA**
Master of Science in Business Analytics (STEM), GPA 3.73 — Aug 2018 – Dec 2019
- Focus Area: Statistic, Data Analytics, Database, Predictive Models, and Machine Learning

Baruch College, Zicklin School of Business, City University of New York — **New York, NY, USA**
Bachelor of Business Administration, Major: Finance, GPA 3.76 — July 2015 – May 2018
- Minor: Mathematics, Data Analytics
- Dean's List Honors: 2016, 2017, 2018 | Latin honors: Magna Cum Laude

SKILLS

- Proficient in SQL/Tableau/Excel
- R, Python, MySQL, Hadoop, Spark
- Salesforce, Access, Lucidchart
- Time Series analysis, Linear/logistic Regression
- A/B Testing, KNN, Random Forest, CNN, NLP
- CFA Level 1 Exam Passed

WORK EXPERIENCE

Kaulkin Ginsberg Co. — **Germantown, MD**
Research & Data Analyst Intern — Sep 2018 – Dec 2018
- Collected and analyzed economic data from industry databases such as FRED, SEC filings, Census Bureau reports
- Shortened workflow cycle from weeks to 2 days by writing VBA code to update market data automatically
- Created 30+ informative data visualizations (such as treemap/heat map/box plot) in reports with Tableau
- Analyzed state-level student loan delinquency and housing cost data with R/RStudio and formed insightful reports

Roberts & Ryan Investments Inc. — **New York, NY**
Business Analyst Intern — Feb 2018 – June 2018
- Utilized Access and Excel to create and maintain the shareholders' info database with 1000+ records
- Simplified a daily analysis process to 1 click by designing an Access dashboard to auto-generate status report
- Researched and collected stock/bond underwriting info of 100+ target companies via Bloomberg for the sales team

PROJECT EXPERIENCE

Real-time Train Prediction with Machine Learning (R/Python) — Feb 2019 - March 2019
- Used Python automatically collect and clean 10,000+ train operation and weather records from various websites
- Used RStudio to assess the stability of three lines and ranked each line according to the statistical attribute
- Applied Random Forest and Regression model, improved the accuracy of train arrival time prediction by 20%

Twitter sentiment analysis (NLP/Keras/NTLK) — Jan 2019 – Feb 2019
- Used NLTK package for efficient data cleaning, text message tokenizing, stemming, and vectorizing
- Designed the structure of the model and constructed a fully connected neural network with Keras
- Evaluated the model, tuned the paraments and improved the prediction accuracy to 77%

Office Rental Tracking Database Management System (SQL/MySQL/Tableau) — Nov 2018 – Dec 2018
- Designed the structure of the system, constructed ER model and completed relationship normalization
- Implemented the design with SQL code, tested the system and improved system performance by debugging
- Complied creative interactive project analysis report with Tableau and hosted online

DISTINCTIONS

- English (Professional), Chinese (Native)
- Snowboarding, Hiking, Filming