

HANG "JESSIE" LE

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EDUCATION

Drexel University - LeBow College of Business, Philadelphia, PA

Anticipated: **Mar 2020**

Master of Science in Business Analytics (STEM), GPA 3.94/4.0, Concentration in Statistics

Foreign Trade University, Vietnam

June 2014

Bachelor of Science in Business Administration, GPA 3.25/4.0, graduated in top 5% among 256 students

SKILLS

Analytics Tools: R(Proficient), Python(Pandas, Numpy, Scikit-learn, TensorFlow), SAS, Stata, EViews, Tableau

Big Data Management: Hadoop, MapReduce, MySQL, Spark on AWS platform, SAP HANA

Techniques: Predictive Modeling, Machine Learning, Deep Learning, Time Series Analysis, Linear Programming

PROFESSIONAL EXPERIENCE

DREXEL UNIVERSITY, Philadelphia, PA

Apr 2019 – Present

Assistant to Director of Finance ((July 2019 – Present)

- Prepare forms and verify compliance for check requisitions, travel advances and reimbursements
- Produce financial reports and create new academic program budgets

Student Consultant, Fortune 100 pharmaceutical client (June 2019 – Aug 2019)

- Acquired and processed 6000 Tweets. Cleaned and performed feature engineering on the data with Scikit-Learn.
- Classified prescription abuse Tweets using kNN, Naïve Bayes, Decision Tree, SVM, Random Forest and XGBoost.
- Implemented Neural Network models (CNN) using TensorFlow; applied pre-trained model (BERT) to improve pre-processing codes for NLP tasks.
- Improved the model's performance by solving a class imbalance issue and tuning hyperparameters; achieved 85% accuracy and 36% F-Score for Abuse Class.

Graduate Analytics Fellow, LeBow College of Business, Analytics Solution Center (Apr 2019 – July 2019)

- Conducted an industry review for a Fortune 50 telecommunication company on the use of telematics data.
- Used SQL queries on SAP HANA to aggregate complex data sets of vehicle maintenance, fuel consumption and telematics; designed Tableau dashboard for management report to visualize trend and patterns in data sets
- Performed descriptive and predictive analyses using R; identified factors that predict vehicle maintenance needs, fuel consumption and breakdowns.

TECHCOMBANK, Ho Chi Minh City, Vietnam

Aug 2014 – May 2017

Senior Relationship Manager, Commercial Business Banking Division (Apr 2015 – May 2017)

- Managed a portfolio of 20+ corporate clients from various industries; achieved 100% of the targeted TOI.
- Collected, cleaned, and performed statistical analyses on financial and economic data with R and Excel.
- Built time-series models to predict bank interest and exchange rates; advised clients for forward rate agreement decision-making.

Management Trainee (Aug 2014 – Mar 2015)

- Promoted after approximately a quarter of the expected time for bank employees.

PROJECTS (more details at: <https://jessiehangle.github.io/>)

Forecasting and Optimizing Call Center Staffing (Sep 2019)

- Lead a team of 15 graduate students to deliver a data modeling analysis for a Fortune 100 energy company.
- Built regression and time series models to forecast service level, service time and shrink duration in call center.
- Presented to C-level executives at the client's headquarter; awarded A+ for leadership and personal contribution.

Portfolio Optimization Using Decision Tree and K-means Algorithm (Mar 2019)

- Performed time series analysis to forecast U.S. GDP based on 70 years of historical data.
- Predicted S&P 500 stock prices, using K means and a decision tree optimization model for various scenarios.
- Formulated buy and sell recommendations based on predicted upper and lower bound prices for the 100 stocks.