Fengdi Li

2200 12th Ct N Apt 816, Arlington, VA 22201 ♦ 762-728-0877 ♦ li.fengdi@hotmail.com

Education

Georgetown University, Washington, D.C.   **08/2017 - Present**

- Master of Science in Analytics *(In Progress)*   • GPA: 3.56/4.00
- Relevant Courses: Optimization, Massive Data Fundamentals, Statistical Learning for Analytics, Structures and Algorithms for Analytics, Probabilistic Modeling and Statistical Computing

University of Georgia, Athens, GA   **08/2015 - 12/2016**

- Master of Arts in Nonprofit Organizations   • GPA: 3.91/4.00
- Relevant Courses: Database management, Program Evaluation, Public Consulting
- Award: Outstanding MA NPO Student of the Year, Graduate Assistantship

Xidian University, Xi'an, China   **09/2010 - 07/2014**

- Bachelor of Engineering in Electronic Information Engineering   • GPA: 3.50/4.00
- Relevant Courses: Probability Theory and Statistics, Programming in C Language, Mathematical Analysis, Linear Algebra, MATLAB Programming, Digital Signal & Image Processing, Random Signal Analysis
- Award: Second-class Scholarship, Third-class Scholarship

Work Experience

Hunan Wisdom Scenes Data Technology, Changsha, China | *Data Engineer*   **03/2017 - 06/2017**

- Developed the company's first product prototype – Credit Scoring System employing machine learning technics
- Scraped and analyzed qualitative and quantitative data using R/Python and maintained MySQL/MongoDB databases
- Participated in industrial and business analysis projects for micro-loan company and retail pharmacy chains.

Foundation Center, Atlanta, GA | *Intern (Data Analysis)*   **08/2016 - 12/2016**

- Participated in data collection and analysis in key research reports on Southeast foundations
- Took charge of data analysis and visualization for research on Georgia grant-makers and nonprofits
- Conducted program evaluation for FC trainings in the Greater Atlanta Area

Academic Projects

Investigation of Factors that Influence the County Insurance Rate in U.S.   **09/2017 - 12/2017**

- Automated collection and restructure of data from the U.S. Census Bureau and Centers for Medicare and Medicaid
- Identified the inner pattern between insurance coverage and other predictors via clustering, correlation, network, associate on rule and other exploratory analysis
- Built Regression, Random Forest, Bayes, KNN, and SVM models to predict the insurance rate for given training sets
- Visualized clusters and networks, designed website and drafted the final report for this study

Using Tree Models to Predict Sales for Walmart Products   **10/2017 – 12/2017**

- Automated data preparation for historic data for sales, weather and other secondary resources
- Analyzed the inner pattern and derived formula for Decision Tree and Gradient Boosting algorithms on sales
- Identified weather-sensitive items and built model to predict sales of 110 items across 45 Walmart stores

Research

Massive Data Institute, Washington, D.C. | *Forced Migration Studies*   **01/2018 - Present**

- Automate collecting and organizing worldwide data resources for internal displacement, social and economic indicators
- Visualize migration history focusing on Iraq and Syria to identify indicators that potentially lead to a successful migration

Languages and Technical Skills

- Mandarin (native), English (professional), Japanese (basic)
- Python (intermediate), R (intermediate), MATLab (intermediate), SQL (intermediate), Tableau (intermediate), C (basic), Linux (basic), Amazon Web Services (basic), MapReduce (basic), Hadoop (basic)
- MS Office Suite (fluent), Adobe Creative Suite (fluent), NI Multisim (intermediate), VisualDSP++ (basic)