LINGMEI ZHAO

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EDUCATION

The George Washington University

Expected July 2020

Master of Science in Statistics

Washington, D.C., USA

Shanghai University of International Business and Economics

Bachelor of Arts in Assets Appraisal, GPA: 3.86/4.00

Sept 2013 - July 2017

Shanghai, China

SKILLS

C++, Java, Python, R, Scheme, SQL, Linux, Ms Office, SAS Computer Skills

Technologies Data Analysis, Software Development, Machine Learning, Recommender System

Languages Chinese (native proficiency), English (professional working proficiency)

EXPERIENCE

A.I. and User Behavior for Robust Near Real-Time Recommendations

Oct 2018 - Expected Feb 2019 Washington D.C., USA

· Working as a group research collaborator for Dr. Benjamin Harvey, Faculty of the George Washington University.

- · Designing and implementing Machine Learning algorithms supporting the recommender system.
- · Applying novel scientific methods from academic papers to make better recommendations.
- · Developing the back-end of the recommender system using Java with team members, utilizing Github for version control.
- · Contributing to feature engineering work using Python and R.

Kantar Media CIC

Aug 2016 - Feb 2017

Data Analyst Intern

Research Collaborator

Shanghai, China

- · Analyzed the opinion and voice of virtual communities and network users towards TV shows. Wrote eight industry reports with team members for Group M to support client's strategy.
- Collected more than one million product reviews and user information from online social media channels and summarized effective data monthly.
- · Plotted word clouds of online comments using Python with the help of wordcloud package and plotted bubble diagram of key review words using R.
- · Managed companies database using SQL.

INDEPENDENT PROJECTS

Sentiment Analysis on Hotel Reviews

- · Visualized word frequency of 18,000 hotel reviews using bar charts and word clouds using Python.
- · Applied χ^2 test to select the top 500 important words as features to train the model. Divided reviews as positive and negative according to its users' ratings.
- · Constructed logistics regression model to make predictive sentiment analysis for hotel reviews using R.

Game Recommender System

- · Plotted a bar chart to analyze the top 10 video games, and used a density distribution diagram to analyze time distribution of game playing time using Python.
- · Constructed rating evaluator based on purchase record and play time of 10,000 users.
- · Applied Collaborative Filtering to make recommendations for users using pandas and numpy.

ACCOMPLISHMENTS

Interdisciplinary Contest in Modeling

Jan. 2017

Honorable Mention

Shanghai, China

- · Worked with two team members to solve a mathematical modeling problem and finished a report.
- · Used mathematical and statistical models to simulate the queuing system and implemented the algorithms in R.
- · Optimized the checkpoint process to reduce the waiting time.