

Viola (Jiamin) Zhong

(703)-395-0706 ■ jz644@georgetown.edu viola17.github.io

EDUCATION

Georgetown University

M.S. in Analytics

Expected May 2021

Major GPA: 3.78/4.00

University of Illinois at Urbana-Champaign

B.S. in Mathematics and Statistics, Minor in Business

Dec.2017

Major GPA: 3.59/4.00

- **Dean's List:** Fall 2017

EMPLOYMENT/INTERNSHIP EXPERIENCE

McCourt School of Public Policy, Teaching Assistant, Washington, DC.

Jan.2020- May.2020

- Assisted professor with grading student work and filing each student work separately for a brief summary of any patterns that were observed in terms of areas where students had difficulty.
- Independently supervised lab sections and instructed students to accomplish required assignments.

MoSeeker Inc., Python Engineer, Shanghai, China

Aug.2018-Dec.2018

- Increased accuracy of job recommendation lists by 7% after translating English job descriptions paragraph by paragraph, instead of word by word, using Baidu dictionary API
- Developed Unigram and Bigram Part of Speech Tagger by training a Hidden Markov Model(HMM) based language model
- Wrote files to mark whether the job descriptions and cover letters match accordingly, collecting negative samples by finding the positions which fans viewed but didn't apply for, creating plots to analyze the results of A/B test.

ABC-CA Fund Management, Risk Analyst Intern, Shanghai, China

April.2018-June.2018

- Researched portfolio performance measurement models (especially campisi framework) and provided risk management consultation by analyzing a database of financial reports from Wind System by SQL
- Created rate of return charts to compare monthly and yearly performance of several fund management companies using VBA
- Drafted the Financial Risk Management section of annual report by surveying profiles of 120+ fund management firms, and translated the Company Year 2018 Risk Management Policy into English

Soci t  G n rale China Branch, Credit Analyst Intern, Wuhan, China

Dec.2016-Jan.2017

- Predicted credit risks for a loan project by developing Logistics Regression Models using R and utilized cross validation method to calculate accuracy of predictions
- Conducted fraud investigation and represented the team to communicate with clients and institutions
- Accessed the property condition of the enterprise according to the financial statements

PROJECTS

What Factors into People's Decisions on Attending Events? (Python)

- Collected and cleaned 20,000+ events/businesses data with total of 10+ attributes by Yelp API and fetched transition data with 17 attributes within 1km to the events by Here Nearby Stations API. Applied LOF to identify multi-dimensional outliers in addition to basis data cleaning.
- Performed topic modeling, hypothesis testing, cluster analysis, predictive analysis with 5 classification models and applied association rules using aprori algorithm with 3 support levels to detect relations between factors and popularity of events.

Why Good Employees Leave (R)

- Calculated accuracy of predicting turnover rate with random forest/logistic classifier/tree models based on human resource dataset
- Applied variable importance plots of predictors from the HR dataset with three models to analyze the factors that affect turnover rate

Comparison of Campus Crime with Crime in the Surrounding City (SAS)

- Performed data cleaning on crime dataset in area surrounding campus in 2010
- Merged on-campus arrest dataset from 2009-2011 with FBI crime records dataset in 2010 by states and created new variables to compare and determine the extent of safety
- Added income data set which has median income data for each state and analyzed how income levels of each state correlate with crime rate by CORR Procedure.

PERSONAL SKILLS

•**Scripting Languages:** Python

•**Software:** R, MatLab, SAS

•**Cloud Platform:** AWS(S3,EC2)