

Viola (Jiamin) Zhong

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EDUCATION

Georgetown University

Expected May 2021

M.S. in Analytics

- **Coursework:** Optimization, Probabilistic Modeling and Statistical Programming, Introduction to Data Science

University of Illinois at Urbana-Champaign

December 2017

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

Major GPA: 3.59/4.00

- **Dean's List:** Fall 2017
- **Coursework:** Foundations of Data Science, Numerical Analysis, Corporate Finance, Principles of Marketing

EMPLOYMENT/INTERNSHIP EXPERIENCE

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, 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

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.

Factors That Affect The Performance of Athletes of FIFA 2017 (R)

- Created plots of FIFA dataset with dummy variable using fitted linear model and diagnosed model by checking linearity, normality and homodestacity assumptions
- Improved model using AIC, BIC methods and transformation of variables

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

PERSONAL SKILLS

- **Data analytic and visualization:** Python
- **Software:** R, MatLab, SAS, Microsoft Excel/ Powerpoint
- **Languages:** Mandarin(Native), English(Fluent)