Haojia Li

12H, 30 River Road, NY 10044 | +1(646)7158883 | hal4006@med.cornell.edu

EDUCATION BACKGROUD

2019.09 – Present	**Weill Cornell Medicine**
2015.09 - 2019.6	**University of International Business and Economics (UIBE) Business School**

- ✓ **Coursework:** Mathematical Analysis I (3.7/4.0); Probability and Statistics (4.0/4.0); Data Warehouse and Data Mining (4.0/4.0); Business Data Software Packages (4.0/4.0); Introduction to Statistical Programming with R (3.7/4.0); Financial Time Series Analysis (3.7/4.0)
- ✓ **Summer Courses:** Data Analytics Foundation (4.0/4.0) taught by Dr. Sree Nilakanta; Data Mining and Financial Engineering (4.0/4.0) taught by Prof. Anca Ralescu
- ✓ **Online Courses:** Python for Genomic Data Science; Bioconductor for Genomic Data Science; Introduction to Neurohacking In R
- ✓ **Awards:** Honorable Mention, 2018 Mathematical Contest In Modeling; Second Prize, 2017 Contemporary Undergraduate Mathematical Contest in Modeling; Integrated Third-class Scholarship for Academic Merit, 2017-2018

INTERNSHIP EXPERIENCES

2018.07 - 2018.09	**Beijing Wangxin Jinfu Information Technology Co., Ltd. Intern of Data Analyst**

- ✓ Used Rwordseg and TM package in R to do text analysis of quality inspection comments about customer service, and summed up the frequency of various problems involved in weekly customer service and quality inspection sampling, writing quality inspection report
- ✓ Learned the statistical process control (SPC) model, and involved in building control system

RESEARCH EXPERIENCES

2018.10 - Present	**Chinese Academy of Sciences (CAS) Research Assistant**

- ✓ Studied the correlation between breast cancer and single-nucleotide polymorphisms (SNPs)
- ✓ Detected the interactions among SNPs by combining the logistic regression model and a machine learning method: multifactor dimensionality reduction (MDR)
- ✓ Implemented the robust MDR (RMDR) method to identify the combinations of multilocus genotypes that are associated with either high risk or low risk of disease

2018.01 - 2018.06	**Hedging Strategies Research Leader**

- ✓ Explored the relationship between Egg futures price and spot price based on time series analysis
- ✓ Designed and evaluated cross hedging, forward rolling hedging and OTC hedging strategies

2016.12 - 2017.12	**Multi Source Information Fusion Research Research Assistant**

National Social Science Fund Project (No. 16BTQ065); Instructor: Prof. Bing Li
- ✓ Employed machine learning algorithms and natural language processing (NLP) techniques to study the multi source information fusion of emergencies in the big data environment

COMPETITION EXPERIENCES

2018.02	**Development Trend Analysis of Electric Vehicle Leader**

- ✓ Predicted the sales and ownership of electric vehicles based on time series model, logistic model, grey prediction model, as well as MATLAB and SPSS programming
- ✓ Determined the future occupancy of electric vehicles utilizing Box-Cox Dogit model

2017.09	**"Take Pictures to Make Money" Pricing Member**

- ✓ Applied analytic hierarchy process (AHP) to design pricing law and developed new pricing model based on STATA programming and regression model
- ✓ Conducted dynamic grid analysis with Excel VBA, user selection and task allocation

EXTRACURRICULAR EXPERIENCES

2016.08	**UIBE Summer Social Practice Team Leader**

- ✓ Led 13 classmates to investigate the development of e-commerce in Xingcheng and Yingkou, Liaoning province, and wrote 5 news reports; won the second price of UIBE

2015.09 - Present	**Symphony Orchestra of UIBE Member & Teacher**

- ✓ Organized and participated in the orchestra's performances of the opening ceremony of UIBE, IT cultural festival, cheerleading competition, New Year's party, etc.
- ✓ Won the **Best Band Award** of the First College Student Meadow Music Festival
- ✓ Served as the teacher of Drum Kit in the Student Art Activity Center for 2 years

2015.09 - 2017.06	**Theory and Learning Center for UIBE Students Vice Minister**

- ✓ Outstanding secretary of 2016, presided over a series of "Biweekly Youth Exchange" activities

SKILLS AND INTERESTS

- ✓ **Technical Skills:** R, Python, SPSS, STATA, MATLAB, SQL Server, etc.
- ✓ **Interests:** Snare Drum (Level 10), Folk Percussion Instrument (Level 10), Guitar