

RUISHAN LIN

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EDUCATION

Ph.D., Statistics, George Mason University Expected 2025
Relevant Coursework: Statistical Inference, Optimization, Computing, Probability, Biostatistics.
Bachelor of Arts, Mathematics, New York University 2016 - 2020
GPA: 3.74, cum laude, minor in German

SKILLS

Technical Skills	Data Visualization, Research, Scraping, Chatbot Development, Web Design
Soft Skills	Presentation, Leadership, Time Management, Event Management, Communication
Programming Language	Python, R, MATLAB, SQL, Tableau, HTML, CSS, Javascript, LATEX

EXPERIENCE

Graduate Research and Teaching Assistant Sept. 2021 - present
George Mason University, Statistics Department *Fairfax, VA*

- Renovated the development of the Spring Index using the data from the *National Phenology Network*.
- Tutored and mentored over 200 undergraduate students taking statistics and probability courses.

Machine Learning Engineer Intern Feb. 2020 - Apr. 2021
HiThink Financial Services Inc. *New York, NY*

- Developed chatbots that provided realtime financial information with plots and charts using tensorflow.
- Established data pipelines through a continuous process of scraping, transformation, and cleaning in Python.
- Achieved 35% growth in active users of the company's trading bot using Python, Javascript, and SQL.

Data Science Intern May 2019 - Aug. 2019
10JQKA *Hangzhou, China*

- Identified the existing issues with the company's resource allocation strategy and improved computing efficiency of the dockers by 20%.
- Analyzed the A/B test results using statistical methods to provide insights on content optimization and to target high-conversion users.

PROJECTS

Optimization for Neural Network | *R* 2022
Compared the performances of the neural networks with variants of Stochastic Gradient Descent and optimized the code for regression and classification.

Stock News Catcher | *Web Crawler, Python, NLP* 2021
Built a chatbot and implemented it on Telegram that provided users with personalized news feed.

Mathematical Modeling and Simulation | *MATLAB* 2020
Modeled physical, biological and economical processes, with successful participation in the [Mathematical and Inter-disciplinary Contest in Modeling](#)

LEADERSHIP

Vice President, Statistics Graduate Student Association, GMU Sept. 2021 - present

- Established and maintained the department website, social media, and email lists, as well as utilized these means to share out information on events to students and faculties.

Site Ambassador, NYU Berlin Jan. 2019 - May 2019

- Collaborated with the faculties to organize events that foster diversity and inclusion, and served as the communication representative for more than 120 students.

CERTIFICATE

Exam P: Probability, Society of Actuaries 2021
Passed with score 8