

Fiona Li

Current Address: 3260 Henry Hudson Parkway, Unit 8P, Bronx, NY 10463, USA 612-483-5821 sl5010@cumc.columbia.edu

BACKGROUND SUMMARY

Bring both strong educational background (Columbia Biostats MS expected 2023) and hands-on research experience, as well as expertise in data analysis tools:

- Expert Microsoft Excel
- Expert R programming - Proficient with data manipulation, data visualization, and statistical functions
- Expert SQL Programming and Microsoft Access
- Intermediate C++ Programming

EDUCATION

Columbia University

Biostatistics MS, 9/2021 – 5/2023, GPA: 3.8325

Coursework to be completed by 5/2022: Principles of Epidemiology, Biostatistical Methods, Probability, Data Science, Biostatistical Methods II, Relational Database and SQL Programming, Statistical Inference, Topics in Advanced STAT Computing.

University of Minnesota, Twin Cities

Statistics BS, Mathematics BA (5/2021), GPA: 3.898

Courses: Applied Statistics I, Theory of Statistics II, Principles of Accounting I, Statistical Science B S, Prob-Stat Theory, Intro to Statistical Computing, Actuarial Math I, General Biology, General Chemistry I & II, Organic Chemistry, Physiology Lab

RESEARCH EXPERIENCE

Modeling Fundraising for Minnesota Governor's Campaign

01/2021-05/2021

Modeled voters' willingness to donate; compared two models, using Mean Squared Error and Cross-Validation Method to verify the accuracy of Regression Tree and Random Forest Method. Concluded that the Random Forest model is a better predictor.

Research on Matrix Simulation of Biomedical Imaging

03/2019-04/2020

Supported research of faculty professor and Bioinformatics PhD student at the University of Minnesota.

- Learned practical usage of imaging in clinical research, including image filtering, segmentation using parametric methods and 3-D image generation
- Created matrix simulation of brain image by writing C++ programs that calculated the areas of shade blocks

OTHER WORK EXPERIENCE

University of Minnesota, Twin Cities

Twin Cities, MN

Teaching Assistant

05/2019-05/2020

Assisted professors in regular teaching activities of two Math and two Statistics courses, including the grading of homework and exams. Received strongly positive feedback from students on help provided.

LEADERSHIP AND VOLUNTEER EXPERIENCE

Students Association of Department of Management Science & Engineering in Qingdao University

Qingdao, Shandong

Member of Activity Office

09/2017- 01/2019

Hosted speech contests, new year festivals, debate contest etc.

Employment Supporting Association of Business School in Qingdao University

Qingdao, Shandong

Member of Marketing Office

09/2017-01/2019

Emailed and called companies, extending an invitation to attend on-campus recruiting activities. Most responded positively and agreed to attend.

RECOGNITION/AWARDS

- UMN CLA Dean's List Spring 2020, Fall 2019, Summer 2019
- Passed SOA Exam-P (Probability) 12/2019
- Member of Phi Beta Kappa Society 05/2021