# YIZHI MA

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50 Haven Ave., New York, NY

## EDUCATION

**Master of Science in Biostatistics**                                    Sept.2018 - May 2020

Mailman School of Public Health, Columbia University in the City of New York

Relevant Coursework: Data Science, Biostatistic Methods, Probability, Statistical Inference, Statistical Computing with SAS, Epidemiology

**Bachelor of Science in Pharmaceutical Sciences**                      Sept.2014 - Jun.2018

College of Pharmaceutical Sciences, Zhejiang University (Hangzhou, China)

Relevant Coursework: Calculus, Pharmaceutical Statistics, Physiology, Pharmacology

Honors: Chinese Government Scholarship

## SKILLS AND INTERESTS

### Hard Skills

· Proficient in R, SAS, LaTeX.

· Daily user of Microsoft applications including Word, Excel, PowerPoint.

### Soft Skills

· Critical thinking, Collaborative, Fast Learning, Work well under pressure.

### Interests

· Data analysis related to pharmacy, medicine and public health.

## EXPERIENCE

**HIV-1 virus protein's influence on HIV-Associated Neurocognitive Disorders**

**University of South Carolina, College of Pharmacy**                     Dec.2017 - Jun.2018

*Research Intern*

· Analyzed gene information of mice by PCR genotyping, and built animal database for experiment tracking.

· Designed and conducted *in vivo* studies to assess HIV virus-induced inhibition of dopamine transporter function.

· Participated in a R01 grant program, and gave presentation on 2018 USC Neuroscience Community Retreat.

**The Biostatistical Analysis of Driver Mutations in Cancer**

**Zhejiang University, College of Pharmaceutical Sciences**               Jul.2017 - Aug.2017

*Research Intern*

· Conducted data cleaning and identified mutated gene information using R.

· Predicted driver mutation sites by using biostatistical methods.

· Participated in the development of Candris, a bioinformatics software aimed to predict driver mutations.

**The Synthesis and Analysis of Lidocaine Hydrochloride**

**Zhejiang University, College of Pharmaceutical Sciences**               Mar.2017 - Jun.2017

*Research Intern*

· Designed the study protocol on investigating methods to synthesize Lidocaine Hydrochloride.

· Conducted data analysis for the constitution of drugs using equipment such as HPLC and NMR.

· Participated in designing clinical trials, work of patient recruitment, and evaluation of results.