Miao Fu

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EDUCATION

Columbia University   New York, NY
Master of Science in Biostatistics   Expected May 2025
Public Health Data Science track
- Coursework: Data Science | Biostatistical Methods | Probability | Principles of Epidemiology

Johns Hopkins University   Baltimore, MD
Bachelor of Science in Molecular Cellular Biology   May 2022
Bachelor of Arts in Behavioral Biology
- Dean's List: Fall 2018- Spring 2021|Departmental Honors of Molecular Cellular Biology | General Honors | Cumulative GPA: 3.97 | GRE 340/340

RELEVENT EXPERIENCE

Johnson & Johnson   Shanghai, China
Statistical Programmer Intern   May 2023 - August 2023
- Accurately completed output QC using ADaM datasets for clinical report of a posthoc analysis study on pulmonary arterial hypertension to improve the accuracy of results by 30% over 5 datasets including 125 subjects.
- Efficiently learned and used compareDF, QCFuns, dplyr, tidyr, and striprtf R packages in completion of output QC.
- Cooperatively prepared NMPA submission package with senior level programmers by reviewing 300 lines of SAS code for clinical trial study on pulmonary arterial hypertension.

Johns Hopkins University School of Medicine   Baltimore, MD
Clinical Research Coordinator   July 2022 - May 2023
- Efficiently worked as lead coordinator on the building of REDCap database of population with Sickle Cell Trait to better understand hematologic phenotype of SCT.
- Collaboratively developed and managed database for 7 clinical research projects including over 600 patients at the JHH Sickle Cell Adults Center with other research team members.
- Independently prepared and managed IRB related documents to ensure continuation of current studies and launch of new studies.

Johns Hopkins University Medical Campus Mao's lab   Baltimore, MD
Research Assistant (part-time)   January 2022 - May 2022
- Accurately followed research protocols to conduct cell culture, Western Blot, PCR to assist post-doc fellows on study projects on neuropathology underlying Alzheimer's Disease and Parkinson's Disease.

Johns Hopkins University Medical Campus Amzel&Bianchet   Baltimore, MD
Research Assistant (part-time)   May 2021 - January 2022
- Successfully assisted the principal investigator on the analysis of enzyme structure using protein crystallization and synchrotron X-ray crystallography.
- Progressively learned and completed protein structure modeling and refinement using MOE and CCP4i2.
- Thoroughly presented research project on l,d-transpeptidase structure analysis at JHU HOUR DREAMS 2022 symposium as a departmental honors candidate.

VOLUNTEER EXPERIENCE

Maryland SPCA   Baltimore, MD
Animal Shelter Volunteer   September 2018 - May 2020
- Precisely monitored and recorded health and behavioral status of 10+ shelter dogs.
- Took responsibility of dog walking, dog food donation events, and adoption meetings with shelter visitors.

SKILLS & CERTIFICATIONS

- **Technologies: RStudio | SAS Studio | GitHub | REDCap**
- **SAS Certified Specialist: Base programming Using SAS 9.4 (2023)**
- **Human Subjects Research – Biomedical Research Certificate (2022)** *CITI Program*
- **Good Clinical Practice and ICH Certificate (2022)** *CITI Program*