

Dear Dr. Yizhou Jin,

I hope this message finds you well. I am writing to express my keen interest in the Researching Algorithmic Bias and Misinformation with Twitter Data Assistant position.

As a senior undergraduate student majoring in statistics and economics, I have developed a strong foundation in statistical modeling and data analysis applicable to various fields including data science, economics, and behavior analysis.

Throughout my academic journey, I have honed my skills in statistical analysis using R and Python. This summer, I had the privilege of participating in a research project under the guidance of Dr. Sohee Kang. In this project, I successfully visualized a dataset comprising over 90,000 entries, conducting longitudinal and factor analyses using R. My team and I thrived in an environment with tight deadlines, engaging in weekly meetings with our supervisors. I am proficient in creating presentations using both PowerPoint and Overleaf LaTeX. Additionally, I managed our team's GitHub repository and demonstrated effective communication skills with both supervisors and teammates. Moreover, I am well-versed in data manipulation techniques such as VLOOKUP, PivotTables, and more in Excel.

Beyond my technical skills, I am passionate about combining data analysis with economics and delving into advanced data analytics methods. Growing up in China, I have witnessed how misinformation on social media platforms can incite panic and hostility, underscoring the urgency of addressing this issue through data science. Given that I will be taking a total of five courses during my final year, I am confident in my ability to commit sufficient time to this project.

I am excited about the opportunity to contribute to your research efforts and learn from your expertise in this critical field. Thank you for considering my application.

Sincerely,  
Dewei