

Johnson & Johnson Services, Inc.
One Johnson & Johnson Plaza
New Brunswick, New Jersey 08933

March 25th, 2023

Dear Human Resource Team at Johnson & Johnson,

I am writing to apply for the **###R&D Data Sciences Intern position at J&J###**. As a second-year master's student in Statistics, I learnt extensively about data science and machine learning. I am excited to integrate academic content with real-world applications by working with a highly intelligent and innovative team at **###Johnson & Johnson###**, a company with a prestigious history in healthcare production that deeply attracts me. **### What attract me?###**. Upon reviewing LinkedIn and your career website, I believe that pursuing this **###summer internship at Johnson & Johnson###** will enable me to utilize my knowledge **### Knowledge of what?###** and research skills and bring my ability and enthusiasm to the data science team.

Throughout my college and graduate studies, I have developed strong individual research skills. **### Probably story of group research skill###** For example, in my junior year, I independently completed a retrospective research project on facial recognition. I comprehensively reviewed and summarized several inspiring facial detection and recognition methods, such as the Viola-Jones Algorithm and Convolutional Neural Networks (CNN), proposed in the past decades, and their performance. Then, I implemented a CNN for facial recognition program through Python with a dataset containing 2749 faces from 52 different individuals and obtained a prediction accuracy of 91.7% on the testing set. Currently, I am preparing my master's research related to diffusion model. Therefore, I am excited to develop my practical research skills further at Johnson & Johnson by working on projects related to data science.

I am highly motivated to learn on my own for the skills I want to master in various ways and can usually achieve good learning results. For instance, in the summer of 2022 after graduating from college, I spent most of time studying advanced programming algorithms, and completing over 300 algorithm problems. In the summer of 2023, I have earned some prestigious certificates in Coursera on deep learning and website development. Moreover, I audited a computer science course focused on database management systems last quarter. The knowledge obtained outside regular classes helps me to perform a wider variety of jobs related to computer and data, and my self-learning ability allows me to better adapt to new working environments with the data science team and quickly acquire necessary skills during work.

In general, the position of data science intern aligns well with my knowledge in data science and statistics, as well as my research and project skills. I am enthusiastic about the opportunity to bring my abilities to the mission of healthcare analysis at **###Johnson & Johnson###**. Please review my attached resume and consider me for the position. I look forward to discussing my qualifications with you further in a future interview.

Sincerely,
Chenfeng Li