

To whom may concern,

It is my great honor to introduce myself and apply for the Master of Data Science Program. I am a student who are studying for major combined in Computer Science and Statistics with a three-year programming experiences and two-year data analysis experiences. Additionally, I have been a Data Science Co-op student for 3 months in my first coop work term this summer with China Construction Bank Fintech Ltd and then start from January 2020, I am serving for BC Ministry of Forest, Lands and Natural Resource Operations as a Data Wrangler Co-op student for 1 year. Since all my previous job are related very closely to the data science area, I believe what I can offer will be suitable to who your program is looking for. Furthermore, my interest is on the area of data science, artificial intelligence, business intelligence solutions and data visualization area.

I always had a keen interest in data science, especially in data analysis and specializing business intelligence and big data area. Nowadays, I believe that those latest technology areas will close related to the all-area of the daily business. I am familiar with Tableau, R, SAS and python modules (Pandas, Sklearn, nltk, etc.) and currently I am taking the courses about Spark and Hadoop. In the meantime, I am studying for the IBM Data Science course in the Coursera and will finish it soon. I am experienced in R and Python, SQL, Matlab and Java languages. I am familiar with Pandas, Nltk, sklearn, numpy and scipy packages in python. I also had some experience about visualizing data via data tools such as Tableau, Power BI, or Dash and matplotlib module in python. I have received 80% plus grade in most of third or fourth year courses and especially the data related courses, which demonstrate that my learning skill is suitable for the master program. I also know the knowledge about algorithm of data mining and artificial intelligence which can help me to analysis the result and make the predict though those algorithms and make the script automatically. I am also familiar with the database system, Excel and MongoDB. I am pretty sure that I am the person that suitable for the program. In addition, I also have lots of experience on the business arrangement, design and analytic work, I believe I can handle various different requirement and assignment from my instructor.

As I mentioned above, I have also doing the data internship in my first coop work term in China Construction Bank Fintech Ltd for 3 months. I join the team of Anti-fraud department and working for building the software that can detect the transactions as suspect fraud risk or not. During that period, I took in charge of collecting and analysis the data from the suspect transactions and build the model for the relationship between different attributes of a fraud transaction. As for my last Co-op term in Ministry of FLNR, I am taking in charge of QA/QC process for the dataset from our climate monitory system and the tree monitory system, I using R code to apply machine learning algorithm and statistical analysis combined with the climate method in order to analysis the dataset and also using the professional way to deal with the gap data.

In the description above for the course I have taken, I want to explain the reason for my first- and second-year courses' grade does not perform very well. This is because I have taken those course at a very special time for me, during the year 2016 to 2018, my family member had to face serious health issues, so I could not focusing on my study and always need to fly back to China in order to avoid suddenly lost the chance to see the last time of her. So, my study has been affected a lot and does not go to class a lot and miss the exams. I talk to the university, but I still want to try my best to continue my study. Although my grade is not good, I re-study them by myself and catch the materials in the senior years which can also reflect on my recently year grades. so, I want to explain that I do have strong fundamental knowledge and my third year, and fourth year courses mostly get A- in many hard courses. I learn a lot from this special experience and I also very appreciated this experience make me stronger than before.

Also, at that time, I start to realize how data can help with the research on health and biology area which will help the doctor or researcher to analysis which medical drugs will work and link to current COVID-19 pandemic, I hope data analysis can boots the speed to help the doctors find the most efficient way to heal the disease. In the end, I want to say that I do have a good attitude and ability for future studies and I believe if I got a chance to study in the one of the world best universities, I will successful and made the contribution in data science area.

As a student who are very interested to work with the data in the future, I deeply realized that the Data Science will play a key role in various of different area in the daily life. The data science will have the solution for making our life more convenience and predictable. I hope I can get a chance to deeply learning the science and I really appreciated if the commit can consider my application. Thanks so much for your time, I sincerely hope the honor of having a learning opportunity in the University of British Columbia.

Sincerely yours,

Zimeng(Brandon) Ming