Major: Data Science (Faculty of Computing & Data Sciences)

Over the years, I have gradually cultivated a profound passion for exploring the challenging realm of data science, which is an emerging field worldwide, especially in the development of artificial intelligence and machine learning. Thus, I am extremely thrilled to discover the Faculty of Computing & Data Science, a unique and rigorous academic program that covers the applied dimensions of data science with a multidisciplinary focus on aspects of mathematics, computer engineering, statistics, and so on.

If admitted to this prominent undergraduate program, I look forward to taking courses like CDS DS 210: *Programming for Data Science*, CDS DS 340: *Introduction to Machine Learning & AI*, CDS DS 563: *Algorithmic Techniques for Taming Big Data*, and CDS DS 574: *Algorithmic Mechanism Design*. By taking these courses, I expect to learn concepts like linear transformations, matrix factorizations, and other advanced theories after I actively took some introductory courses in data science this year. Through the intense learning experience, I developed a comprehensive understanding of data collection, convolutional neural network (CNN) models, Python programming, etc. And my academic curiosity toward such areas was further piqued.

Aside from taking advanced courses and expanding my knowledge, I am also motivated to apply my theoretical knowledge to real-life scenarios by utilizing the abundant research resources provided at BU. More specifically, I am impressed by the vision of tackling society’s critical challenges, proposed by the Faculty of Computing & Data Science. Once I enter BU, I will enthusiastically engage in diverse hands-on projects that aim to connect knowledge of data science with social issues. In this way, I look forward to positively impacting our society through utilizing my theoretical knowledge. I will seize every opportunity to grow as a curious, engaged, and driven BU student.