**Eunjoo Ahn\_personal history**

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Data Science has been a major intellectual pursuit of mine since I was an undergraduate. My math major laid the foundation which allowed me to connect Data Science with building the AI system later during my Ph.D. course. In our current society, a myriad of people belong to AI-systems based on data science, mathematics, and computer science. I would like to contribute to the programming of customized AI-robots through data analysis, people's needs through socialization, and machine learning.

I entered the math department with an interest in mathematics and data science. During my first year, I went through a period of wondering about my future, faced with the worries of my choices, while reflecting on my past experiences in life. Yet through these experiences and frustrations, it motivated me to find a way to logically predict the future. Since the third grade, I’ve wanted to use data science to help students predict what will happen in their sphere of interest. Mathematics and education provided the basis for this direction. My math major strengthened my understanding of the analytical aspects of logic and algorithms underlying data science.

After graduating from Undergraduate school and receiving my Master’s degree of education, I began teaching students in high school and middle school, which allowed me to develop ways of communicating with others and gave me the opportunity to embrace everyone regardless of their age or gender. I think this is a basic necessity for learning. If I have a chance, I hope to communicate with students from all over the world and become a global talent at this University.

Working in education has made me more aware of the importance of data security and AI’s future possibilities. These vulnerable aspects of AI and data concerning security and generality would lead me to build a convenient model so that anyone can access machine learning with just a small amount of training. After recognizing the weaknesses of data science, I wanted to overcome these adverse aspects with a desire to study machine learning. So, I entered New York University for a master's degree in mathematics and learned math in-depth in order to study data science. After studying machine learning to a high level in this department, I want to develop and apply more sophisticated and general application models. Based on the mathematical foundation and data science, I would like to combine the strengths of each part and apply them to AI based on a more realistic and practical model, thereby contributing to the convenient and safe lives of people all on a global scale.

This PhD program will encourage me to find my purpose in the real world. I will try to have an advantageous effect on my PhD faculty and communities during this course.