***Why are you interested in the major you indicated as your first-choice major? (250 – 300 words)***

Imagination is the most powerful tool of mankind. Throughout history, it has facilitated scientists in designing brilliant inventions, from Tesla's complex machines to Einstein's theory of relativity regarding the wrapping of space and time. However, one's imagination can get too complex to be explained by words or pictures.

When I did an internship in my father’s architectural firm, I had an opportunity to watch my father consult his house design with a client. My dad presented the CAD blueprints of the house alongside some 3D renders that I made. I noticed that the client favored the 3D renders as they require less effort to fathom. However, when my dad had to explain angles that were not included in the renders, he could only attempt to sketch them out or use hand gestures to mimic the geometries of the house. It was also clear that the client had difficulties in elaborating his vision for the house.

I then recalled a scene from Iron man where Tony Stark designs his first iron suit through voice commands and responsive holograms. The suit design was projected directly towards the subject and Tony would be able to interact with it just like a real object. This scene opened my eyes to the potential of human computer interaction technologies. I delved deeper into this topic and realized the vast unexplored possibilities of virtual reality and augmented reality. If properly exploited, this technology could help company leaders in projecting their vision. In the future, I hope to further my studies on computer science, specifically on human computer interaction to develop a technology that allows humans to be fully immersed with the digital world. To be able to project our imagination to others, while taking a glimpse of theirs.