**Statement of Purpose**

I am Xinyu Wang and I studied at Wenzhou-Kean University for my undergraduate university. I would like to apply for the Artificial Intelligence program of the Electrical Engineering and Computer Science department to enhance my understanding and application of AI so that I can use it to improve the UX of my personal app. I planned to become an software developer after graduation, but I found that I didn't know enough about Ai, which prevented me from applying my creativity when developing applications.

Although artificial intelligence has only started to enter the eyes of the majority in recent years, it has been ubiquitous for a long time now from AlphaGo to facial recognition systems on cell phones, from predictive features in language input methods to Deep Learning Super Sampling technology to improve the gaming experience. We can find that artificial intelligence is developing a strong potential in various fields, which makes me very enthusiastic about it and I expect to understand it instead of seeing it as a kind of magic.

I took several machine learning-related courses in school during my sophomore year, and I used those skills outside of class to practice. For example, during my internship, I helped a company optimize its user push system with a neural network model so that it could push right content based on user preferences. And not long ago, I was working on developing a voice input software to help my elders to input Chinese characters correctly, I had used the existing ASRT framework to build a voice recognition model which could recognize and output the correct Mandarin according to the dialect.

Personally, I like to apply what I have learned to reality, it gives me a sense of accomplishment. When I was learning linear algebra, I implemented various linear algebra concepts through code; when I was learning neural networks, I used them to predict trends in virtual currency; when I was learning computer vision, I trained a model to output results based on gestures. In addition, I attended an international university for my undergraduate degree, and I also studied at Kean University in the United States for a year, which gave me a multicultural learning environment and broadened my vision. And my family has also been very supportive, and they have allowed me to have little stress in financial situation.

In the long run, I plan to become an independent software developer or start a company to apply artificial intelligence to improve people's daily life, to make the convenience of modern technology available to everyone, like using the dialect recognition program I mentioned earlier to input Mandarin for those in my hometown and even the larger world who don't speak Mandarin well. That's my Statement of Purpose, thanks.

**Appendices**

Programme: [*https://www2.eecs.berkeley.edu/Research/Areas/AI/*](https://www2.eecs.berkeley.edu/Research/Areas/AI/)