

My project is divided into three phases

1. Identify the topic phase

First of all, around May this year, I would like to set the direction of my graduation project as a topic related to my undergraduate study, that is, architectural design or three-dimensional model. My idea is to identify pictures from different angles of the same object and use machine learning to generate 3D models. However, after discussing with my teacher Terence, I learned that this topic was too difficult for me, so I changed the theme of my graduation project to machine learning to generate maps.

2. Research stage

During the summer vacation, I studied every tutorial on machine learning and looked for inspiration on various social platforms or in the real world. Exploration and accumulation of graduate development. However, I gradually realized that my current ability is completely insufficient to achieve my graduation goal before independent creation. So I turned my attention to the area of image recognition that I was interested in. Growing up in China, I have always been very interested in traditional Chinese culture, but these cultures gradually disappear as I grow up. Therefore, I hope to use machine learning to let more people know about traditional Chinese culture.

3. Production period

After determining the theme, I focused my attention on how to make Chinese traditional culture "live". I consulted a lot of materials and learned a lot of courses and knowledge. Through the application of PR, PS, AE, Touch designer, PyCharm and other software, the project was successfully completed, and the effect I had expected was indeed achieved.