Week 1

We had a preliminary communication with our tutor this week, and the teacher introduced the basic requirements and directions of the paper to us. However, due to the large number of courses I selected last semester, there were many tasks to submit, so I only had time to roughly determine the direction of AR technology-related topics.

Week 2

I continued to finish the course work of last semester, thinking about the direction of the thesis after being busy, and initially locked the application field of AR technology, but failed to carry out in-depth research.

Week 3

This week, I am hesitant about the specific topic, considering the combination of AR technology with education or cultural communication, but I have not yet determined the specific research content, and I feel a little confused.

Week 4

After repeated consideration, it was decided to take AR technology and museum education as the entry point to explore the innovative mode of interactive experience and cultural transmission, but the entry point needs to be further clarified.

Week 5

During my year of visiting museums, I always encountered teachers with groups of children, so I wanted to make this my theme. In addition, I began to consult literature this week, collected research materials on AR technology in education, cultural heritage dissemination, and museum-related fields, and initially sorted out some reference papers.

Week 6

Continue to read relevant literature, summarize the practical application of AR technology in education and interactive experience, sort out valuable cases, and provide ideas for follow-up research.

Week 7

The collected literature and cases are analyzed, the research framework is initially constructed, the possibility of combining AR technology with traditional souvenirs is also concerned, and the topic of the paper is gradually refined.

Week 8

Read more literature on museum education and cultural heritage dissemination, analyze the research status and problems in these fields, and preliminarily clarify the research background and significance of this paper.

Week 9

Summarize the previous reading literature, further improve the research framework and direction, and try to summarize the innovative value of combining AR technology with traditional souvenirs.

Week 10

Finish the preliminary sorting of the literature review, record the key content and data, provide support for the thesis research, and plan to start to study the technical part of the graduation project.

Week 11

Entering the graduation design stage, began to learn AR-related development technology, looking for suitable tutorials, but found that many tutorials were older, and needed to screen applicable content.

Week 12

Continue to learn AR technology development tutorials, try to run code for simple tests, record the problems encountered and solutions, and accumulate experience for subsequent research. Want to use Touch Designer to make other videos for AR in Unity, and start looking for some renderings and tutorials on the website.

Week 13

Some functions of AR technology are tested, and combined with cases in the literature, it is tried to apply to the actual scene design, and the technical scheme of interactive experience is constantly optimized. And basically started making videos through TD, but there were some errors in the process, so it still needs to be adjusted.

Week 14

The development process encountered technical problems, the unity part of the expected function could not achieve the effect, need to find a new tutorial and more suitable code, while continuing to adjust the solution. The two videos in AR are almost finished.

Week 15

In the continuous testing and optimization, part of the design function is gradually completed, and the test is constantly improved to provide data support for the case analysis part of the paper.

Week 16

Summarize the results of the graduation project, combine the actual test results of AR technology, improve the research framework, and plan to combine the graduation project with the content of the thesis.

Week 17

I started to write the thesis, combined the previous literature review with the graduation project results, and concentrated on writing the research background and significance.

Week 18

The paper writing enters the in-depth stage, collates and supplements the literature review, research methods, and other contents, and ensures the logic and integrity of the combination of theory and practice.

Week 19

Communicated with the supervisor about the framework and research direction of the thesis, received suggestions for revision, focused on adjusting the content of the research methods part, and improved the first draft according to the feedback.

Week 20

Continue to communicate with the supervisor, gradually improve the paper, modify and supplement the research significance and research methods, and optimize the structure of the paper to make it more rigorous.

Week 21

Revise the paper according to the further suggestions of the tutor, conduct the case analysis and conclusion section, and check the logic and normativity of the overall content.

Week 22

Complete the final draft of the thesis, integrate it with the graduation project results, confirm with the supervisor that the content of the thesis meets the requirements, and prepare for the final revision.