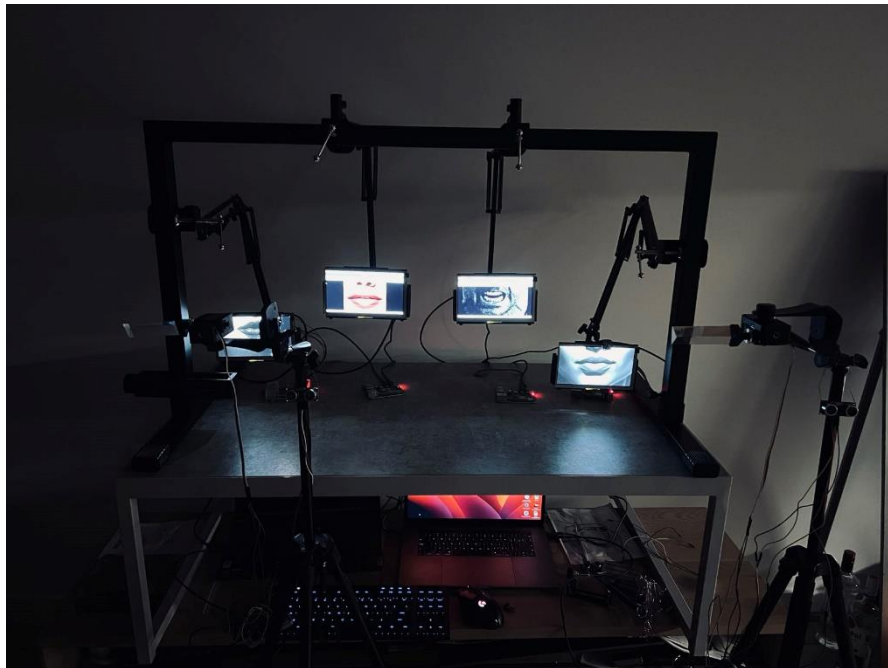# 11.15-11.22

During this week's research phase, I focused on completing the first draft of my thesis and submitting it to Yadira for valuable feedback. Whilst collating and preparing the user feedback questions, I set up the experimental setup in my home.

To create the ideal environment for the experiment, I set up a dimly lit space in my home. In this specially adapted environment, I reconfigured the colour parameters of the RGB colour sensor to ensure that it could be triggered immediately when exposed to light. During the debugging process, I encountered a technical problem: the speed of the servo was too fast, resulting in the light refracted through the prism staying on the RGB colour sensor for too short a time to effectively trigger the screen to play the video. To solve this problem, I readjusted the code of the servo to improve the stability of the whole device. At the same time, I also adjusted the height and position of the trigonometers to ensure that the light could be refracted stably.

After meticulously debugging all the equipment, I invited friends to my house to experience the device and interviewed them through a series of targeted questions to gather their feedback and feelings.

This week's work not only deepened my understanding of the technical details, but also provided me with invaluable user experience data that added practical depth and breadth to my research.

Installation test