

Weekly Report

4/30

1. Summary of Weekly Progress

- Tuning parameter in stable diffusion model
- Test the teacher’s ideal to combine then use model
- Organize the backend to enable connection with the main
- Minor improvements to the frontend
- Draw the system architecture/modules diagram

2. Task Assignments and Contributions

Team Member	Assigned Tasks	Completion Status
徐浩哲(01157030)	1. try to find Excessive images of two photographs by combine them and sent it to model at once 2. test diffusion model parameter	Complete
翁子翔(01157048)	1. Organize the backend to enable connection with the main 2. Draw a function diagram for each file 3. Frontend modification	1. Complete 2. Complete 3. In progress
蔡豐蔚(01157010)	1. Draft of our program report 2. Draw the system/modules architecture diagram	1. Complete 2. In progress

2.1. Comments

Comments

test three kinds of parameters in stable diffusion model 2.5, find the number that fit.

Find out that it is not possible to make a excessive images of two photo by combine them .

After organizing the backend files (alignment.py, description.py, prompting.py, and generation.py), most of the workflow is now functional.

Currently, only image cropping and subtitle generation remain.

Testing cannot begin until the full workflow is completed. Now, only the appearance is being modified.

The draft report and system architecture diagram have been roughly completed, but I am not sure whether the module architecture can be divided in this way, and some modules are not yet completed.

3. Challenges and Issues Faced

- still can't find a way to Find the transition between two images
- Not sure if the module architecture is correct

4. Next Steps and Goals for Next Week

- find a way to transfer between two photo
- Frontend modification
- Generate an animation that changes over time and implant it to vedio.
- Processing video subtitle generation

5. Additional Notes/Comments