

Diaries

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1 Diaries

1.1 2022-12-13

Work hours:

08:20 - 11:15: Setup and research

Today I setup the git repository with the initial files (CLI tool, documentation, etc.). I then spent the rest of the working session researching the topic of the project.

The planning has yet to be done. The goal for the next working session is to make the Gantt chart.

1.2 2022-12-14

Work hours:

15:10 - 16:20: Alpha matting test

16:00 - 16:20: Gantt chart

Today I started using the `opencv` library (The Rust wrapper). I used the sample images (target and trimap) from https://docs.opencv.org/4.x/dd/d0e/tutorial_alphamat.html. The output is not correct, but it shows some matting to be applied.



However, I noticed a small problem: when the input images are wrong, instead of returning `Result::Err` (as per Rust-philosophy), it dumps the core.

I also started making the Gantt chart.

1.3 2022-12-15

Work hours:

08:20 - 09:50: CLI executable

10:20 - 11:20: Gantt chart

Today I fixed the trimap matting. The trimap was being read using `IMREAD_COLOR` rather than `IMREAD_GRAYSCALE`. I then added the first CLI arguments to the executabl (target image, trimap image, output image). I need to find a solution to avoid the core dumps from `opencv`.



In the second half of the working session I completed the gantt chart

1.4 2022-12-20

Work hours:

08:20 - 09:50: OpenCV documentation

10:20 - 11:20: Documentation and requirements

In the first half of the working session I read some documentation about OpenCV. The goal is to be able to remove the background of an image given its trimap. In the second half I continued setting up the documentation (requirements and layout).

1.5 2022-12-21

Work hours:

15:05 - 15:30: Documentation

Today I continued the analysis section.

1.6 2022-12-22

Work hours:

08:20 - 09:50: Background removal research

10:05 - 10:30: Read the review of my previous project documentation

10:30 - 11:20: GUI Research

Today I did not write any actual code, however, I did some research on which technologies I will need to use. I realized that the background removal cannot be done using `opencv`, but rather with another library. Not much effort is necessary in order to finish the CLI tool, so I started looking into the Rust GUI libraries. I also continued writing the requirements in the analysis section.

The plan for the next working session is to finish the CLI tool.