Graphical user interface, application, website

Description automatically generated1. Install Anaconda. Should be simple enough and make all the following steps much easier as it can manage the environment to use Python Image Morpher with all the dependencies needed.

2. As soon as you install it you will have an Anaconda Prompt, effectively a python prompt on your computer.

Graphical user interface

Description automatically generated

3. Download the code for Image Morpher from Github (download ZIP and then unpack it on your computer

Graphical user interface, text, application

Description automatically generated

4. Ok, now it’s time to open Anaconda prompt, create environment and install all the dependencies (listed in the requirements.txt file in the PIM that you downloaded).

First of, open the prompt.

Graphical user interface

Description automatically generated

Then cd to the folder where you have downloaded and unzipped the PIM using the command cd ….

Text

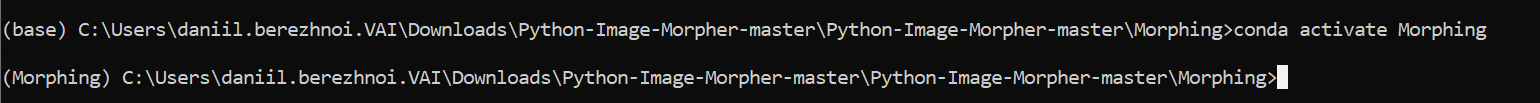
Description automatically generated

Then create the environment for PIM using the command conda create ….

conda create --name Morphing

Activate this environment

conda activate Morphing



Install the python itself using command conda install



Install all the dependencies again using command pip install



Should be good by now to launch the Program GUI

In the same window type the python command to open the program

python MorphingApp.py

Which should open the programs interface.

When you will need to reopen it the next time just repeat the few steps

1. Open anaconda prompt
2. Activate this environment again (see above)
3. In the same window type the python command to open the program again (see above)

The programs interface and testing basic functions.

Graphical user interface

Description automatically generated

Load two images using two upper buttons, than click ‘Resize Left image’ or ‘Resize Right Image’ to make them match.

Then just click on one of the images leaving a point (will be green), click on the second one to establish the corresponding point (both will turn blue meaning they are saved). Clicking alternately on the images establish all the points for the transformation from one to another. A collage of a cat and a dog

Description automatically generated with medium confidence

Click the button Blend button and enjoy the miracles/horrors of affine transformation. Save the morph on the ‘Save Morph’ layout. Play with other parameters (FIY), repeat.

A collage of a cat

Description automatically generated with medium confidence

Enjoy the Results