

Readme:

This program written in python. It requires the following libraries to be installed in python

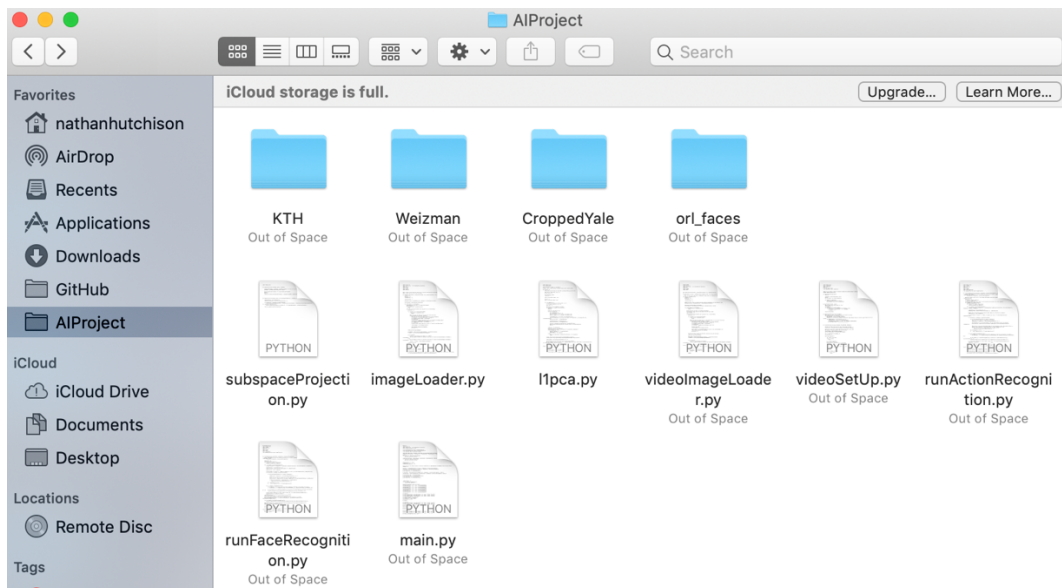
opencv-contrib

numpy

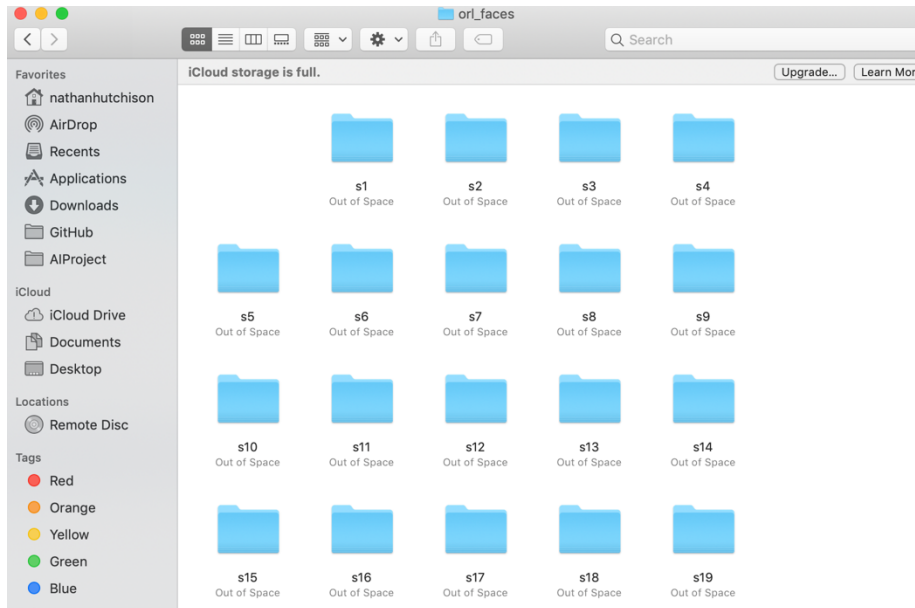
matplotlib

If those libraries are installed in the python environment you should be able to run the program.

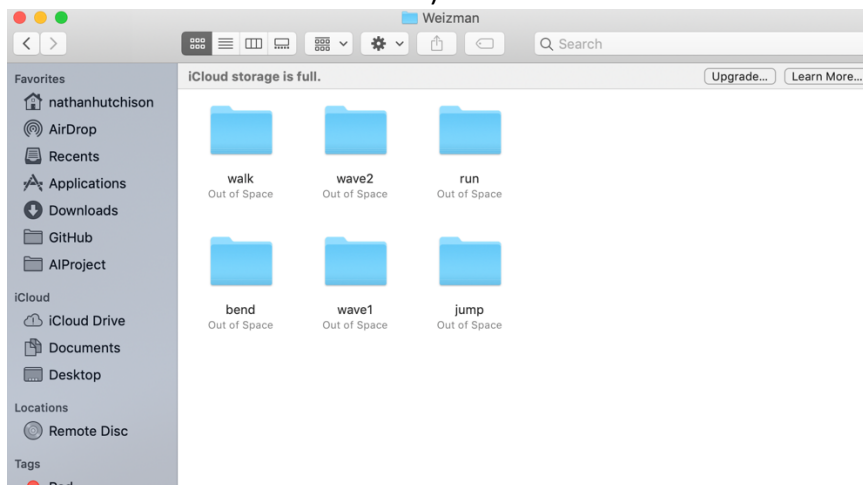
To run the program, make sure all the .py files from the zip file are in the same directory the dataset folders. The entire folder should look like this:



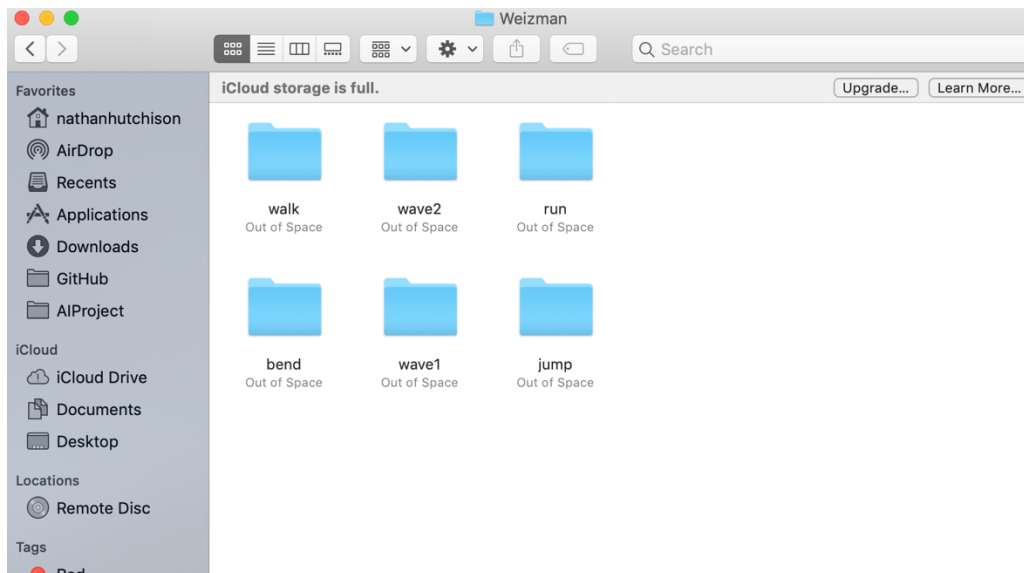
The orl_faces and CroppedYale faces should each contain all of the images in folders of each face from each respective dataset (I believe this is the default when un-zipping the datasets). Delete any files in the folder that are not directories of the class images. For example, orl_faces should look like this:



The KTH and Weizman folders should contain each class of videos tested in their own folder. Weizman is only prepared to work with walk, wave 2, run, bend, wave1, and jump (the other files would not download for me) and should look like this:

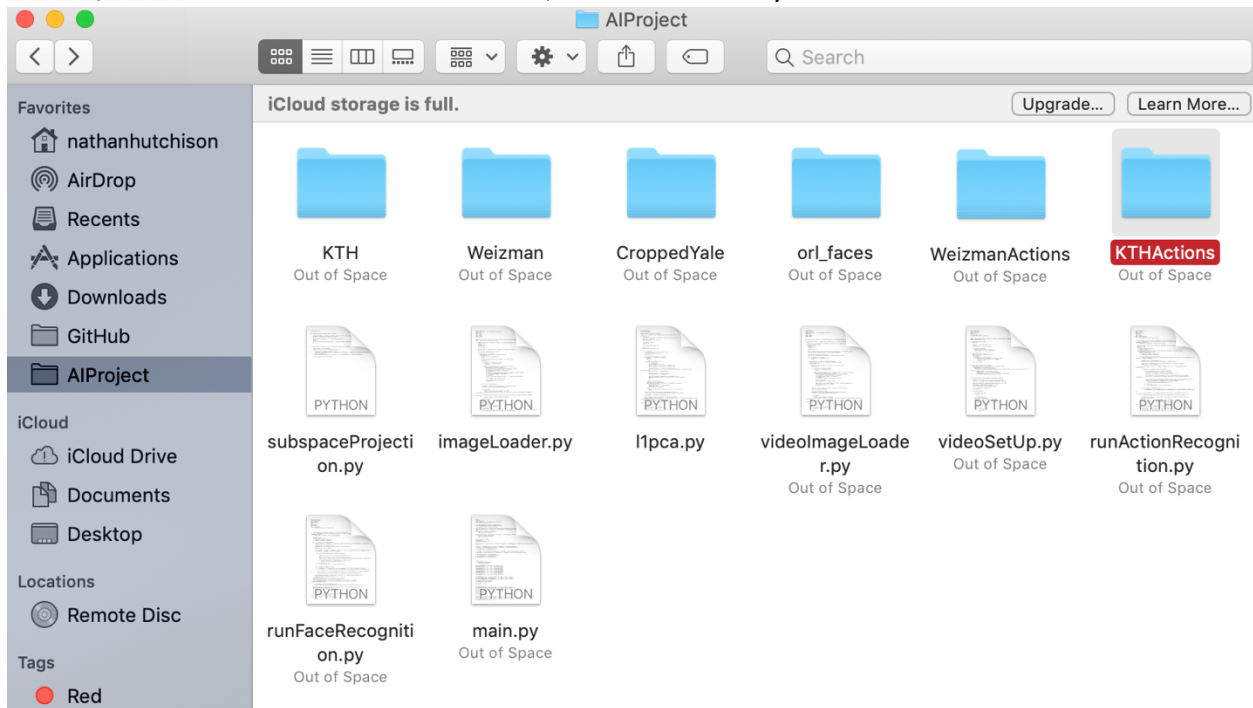


Inside the KTH folder should look like this:



All of the corresponding videos from each set should be in each of the folders.

To start the program, run the main.py file. This file uses the file videoSetUp.py to populate new folders, WeizmanActions and KTH actions, so after the run your folder should look like:



Please feel free to email nhutchison@scu.edu if the instructions are not clear or this does not work. Thank you!