**Steps:**

(If don’t already have “positives.json” )Generate File with all positives and their Id’s

1. run prepare\_data.py

Generate all the positive images into “podata” folder:

1. In the root directory ensure to have “positives.json” file
2. Create “posdata” folder
3. Execute “createPositiveDataset.py”

Generate the negative images into “negdata” folder :

1. Create “negdata” folder
2. Execute “createNegativeDataset.py”

Generate Positive Data Augmentation:

1. Create “augmented” folder
2. Execute “data\_augmented”

Normalize data:

1. Create directory normneg
2. Create directory normpos
3. run “normalize.py” (it will know itself in which directory to output the files. I will be using mean of 1439 and std of 411 for normalization)

Save each image as separate labeled json file:

1. Create “trainingdata” folder
2. run “shuffled.py”

Run the TensorFlow model with pipelining batch import:

1. run the “cnn\_model\_for\_large\_data.py”