# To do list for Project:

1. move all zip file to server
2. Find how to unzip z01, z02 etc.
3. Unzip all the compressed files on the portable hard disks(?)
4. Ask matteo or james if there is any space for project data
5. Write a script to unzip all the files
6. Using R or exift tool to extract all the metedata. Output: metadata in csvs.
7. Using R to calculate summary statistics.
8. Build environment.
9. Run test samples

# To do list for finding a job:

1. Refine your cv
2. Comes up a cover letter template
3. Go ask4job for improvement
4. Start sending applications

# Notes:

|  |
| --- |
| Enter command zip -s- FILE\_NAME.zip -O COMBINED\_FILE.zip |
|  |

Enter unzip COMBINED\_FILE.zip

Photo;

Date and Time;

Exp. Time;

F/Stop;

Exp. Program;

Exp. Bias;

Metering Mode;

Light Source;

Flash;

Focal Length;

Focal Length (35 mm);

ISO Speed;

Orientation;

Dimensions;

File Size;

P ath;

Ta[gs;

Photo;

Date and Time;

Exp. Time;

F/Stop;

Exp. Program;

Exp. Bias;

Metering Mode;

Light Source;

Flash;

Focal Length;

Focal Length (35 mm);

ISO Speed;

Orientation;

Dimensions;

File Size;

Path;

Tags

**xiang\_li15918@hedgehogs**:**~/openpose/build**$ export CXX=/usr/bin/g++-7

**xiang\_li15918@hedgehogs**:**~**$ ./build/examples/openpose/openpose.bin --image\_dir ../ --display 0 --write\_images ../

IMG\_0142;04/05/2018 05:48:13;1/22;2.40;Normal;0;Center-weighted average;Unknown;Flash fired, auto mode;42.0;-;100;Normal;4608 x 2560;5486 KB;D:\Hampstead Heath Survey photos\81\_100\100\_HH\_11\_5\_18100\_BTCF\_T\IMG\_0142.JPG;contact1;placeID: 100;species1: Blackbird

Cudnn 7.5

Caffe

Opencv

Caffe presiqu

export PATH=/usr/local/cuda-10.0/bin${PATH:+:${PATH}}$

export LD\_LIBRARY\_PATH=/usr/local/cuda-10.0/lib64${LD\_LIBRARY\_PATH:+:${LD\_LIBRARY\_PATH}}

git clone https://github.com/CMU-Perceptual-Computing-Lab/openpose

cd 3rdparty  
git clone [https://github.com/CMU-Perceptual-Computing-Lab/caffe.git](https://github.com/CMU-Perceptual-Computing-Lab/caffe.git" \t "/home/xiang/Documents\\x/_blank)

/usr/bin/g++-7

cc: error trying to exec 'cc1plus': execvp: No such file or directorycc: error trying to exec 'cc1plus': execvp: No such file or directoryCMake Error at cuda\_compile\_1\_generated\_math\_functions.cu.o.Release.cmake:219 (message): Error generating/usr/local/cuda-10.0/include/math\_functions.h:54:2: warning: #warning "math\_functions.h is an internal header file and must not be used directly. This file will be removed in a future CUDA release. Please use cuda\_runtime\_api.h or cuda\_runtime.h instead." [-Wcpp] #warning "math\_functions.h is an internal header file and must not be used directly. This file will be removed in a future CUDA release. Please use cuda\_runtime\_api.h or cuda\_runtime.h instead." ^~~~~~~In file included from /home/xiang\_li15918/openpose/3rdparty/caffe/src/caffe/util/math\_functions.cu:1:0:/usr/local/cuda-10.0/include/math\_functions.h:54:2: warning: #warning "math\_functions.h is an internal header file and must not be used directly. This file will be removed in a future CUDA release. Please use cuda\_runtime\_api.h or cuda\_runtime.h instead." [-Wcpp]

**xiang\_li15918@hedgehogs**:**~**$ gsutil cp gs://hedgehog\_data/Hampstead\_Heath/ $home/zipAccessDeniedException: 403 533981988006-compute@developer.gserviceaccount.com does not have storage.objects.list access to the Google Cloud Storage bucket.

gcloud auth login

./build/examples/openpose/openpose.bin --image\_dir ../sample --write\_images ../result --write\_json ../result --display 0

--disable\_blending

./build/examples/openpose/openpose.bin --image\_dir ../night --disable\_blending --write\_json ../night\_re --display 0 --render\_pose 0 --write\_images ../night\_re

./build/examples/openpose/openpose.bin --image\_dir ../Pic/9\_HH\_26\_4\_18/DCIM/100RECNX --disable\_blending --write\_json ../9\_HH\_26\_4\_18-DCIM-100RECNX --display 0 --render\_pose 0 --part\_candidates

../Pic/9\_HH\_26\_4\_18/DCIM/100RECNX

../Pic/9\_HH\_26\_4\_18-DCIM

1. Shower
2. Run sample figured.SourceFile.str.extract(r"(\d+)\_")) out each output format.
3. Seminafind . -name "\*.jpg" -exec mv {} /home/new/location \;r diary
4. Figure out how to run on sub directory
5. run on whole dataset

DEFINE\_int32(keypoint\_scale, 0, "Scaling of the (x,y) coordinates of the final pose data array, i.e., the scale of the (x,y) coordinates that will be saved with the write\_json & write\_keypoint flags. Select 0 to scale it to the original source resolution; 1to scale it to the net output size (set with net\_resolution); 2 to scale it to the final output size (set with resolution); 3 to scale it in the range [0,1], where (0,0) would be the top-left corner of the image, and (1,1) the bottom-right one; and 4 for range [-1,1], where (-1,-1) would be the top-left corner of the image, and (1,1) the bottom-right one. Non related with scale\_number and scale\_gap.");

DEFINE\_bool(maximize\_positives, false, "It reduces the thresholds to accept a person candidate. It highly increases both false and true positives. I.e., it maximizes average recall but could harm average precision.");

DEFINE\_string(model\_pose, "BODY\_25", "Model to be used. E.g., BODY\_25 (fastest for CUDA version, most accurate, and includes foot keypoints), COCO (18 keypoints), MPI (15 keypoints, least accurate model but fastest on CPU), MPI\_4\_layers (15 keypoints, even faster but less accurate).");

DEFINE\_string(net\_resolution, "-1x368", "Multiples of 16. If it is increased, the accuracy potentially increases. If it is decreased, the speed increases. For maximum speed-accuracy balance, it should keep the closest aspect ratio possible to the images or videos to be processed. Using -1 in any of the dimensions, OP will choose the optimal aspect ratio depending on the user's input value. E.g., the default -1x368 is equivalent to 656x368 in 16:9 resolutions, e.g., full HD (1980x1080) and HD (1280x720) resolutions.");

DEFINE\_bool(part\_candidates, false, "Also enable write\_json in order to save this information. If true, it will fill the op::Datum::poseCandidates array with the body part candidates. Candidates refer to all the detected body parts, before being assembled into people. Note that the number of candidates is equal or higher than the number of final body parts (i.e., after being assembled into people). The empty body parts are filled with 0s. Program speed will slightly decrease. Not required for OpenPose, enable it only if you intend to explicitly use this information.");

./build/examples/openpose/openpose.bin --image\_dir ../Pic/Compressed --disable\_blending --write\_json ../BODY25 --display 0 --render\_pose 0

./build/examples/openpose/openpose.bin --image\_dir ../Pic/Compressed --disable\_blending --write\_json ../COCO --display 0 --render\_pose 0 -model\_pose COCO

./build/examples/openpose/openpose.bin --image\_dir ../Pic/Compressed --disable\_blending --write\_json ../MPI --display 0 --render\_pose 0 -model\_pose MPI

./build/examples/openpose/openpose.bin --image\_dir ../Pic/9\_HH\_26\_4\_18/DCIM/100RECNX --disable\_blending --write\_json ../9\_HH\_26\_4\_18-DCIM-100RECNX --display 0 --render\_pose 0 --part\_candidates

--maximize\_positives

./build/examples/openpose/openpose.bin --image\_dir ../Pic/Compressed --disable\_blending --write\_json ../BMaxP --display 0 --render\_pose 0 --maximize\_positives --net\_resolution "1312x736" --scale\_number 4 --scale\_gap 0.25

Predicted 0 1

Actual

0.0 6518 2963

1.0 3478 6003

./build/examples/openpose/openpose.bin --image\_dir ../Pic/C1 --disable\_blending --write\_json ../p1 --display 0 --render\_pose 0

./build/examples/openpose/openpose.bin --image\_dir ../Pic/C1 --disable\_blending --write\_json ../p1 --display 0 --render\_pose 0

./build/examples/openpose/openpose.bin --image\_dir ../Pic/C2 --disable\_blending --write\_json ../p2 --display 0 --render\_pose 0

find . -name "\*" -exec mv {} ../p1 \;

exiftool -csv -CreateDate -Keywords -r -ext jpg /absolute/path/to/top/folder > data.csv

./build/examples/openpose/openpose.bin --image\_dir ../OPFN --disable\_blending --write\_json ../p1 --display 0 --render\_pose 0

./build/examples/openpose/openpose.bin --image\_dir ../OPFN --write\_images ../OPFN --write\_json ../result --display 0