

Viterbi Internship - Progress Diary

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Contents

1	Daily Progress	2
1.1	Week 15 May to 21 May	2
1.1.1	15 May : Monday	2
1.1.2	16 May : Tuesday	2
1.1.3	17 May : Wednesday	2
1.1.4	18 May : Thursday	2
1.1.5	19 May : Friday	3
1.1.6	20 May : Saturday	3
1.1.7	21 May : Sunday	3
1.2	Week 22 May to 28 May	3
1.2.1	22 May : Monday	3
1.2.2	23 May : Tuesday	3
1.2.3	24 May : Wednesday	4
2	Weekly Progress	4
2.1	Week 1	4
2.2	Week 2	4

1 Daily Progress

1.1 Week 15 May to 21 May

1.1.1 15 May : Monday

Accomplished :

- Read the paper Face Recog using deep multi pose representation halfway through.
- Watched and implemented tensorflow tutorials by Marvon Zhou till Lec15.

1.1.2 16 May : Tuesday

Target :

- Complete the Face Recog using deep multi pose representation.
- Watch NN course and complete till week 10 (curr status at week 6).
- Read Do We really need million faces.

Accomplished:

- Completed reading teh Face Recog using deep multi pose representation
- Started reading Do We really need million faces [upto page 4]

1.1.3 17 May : Wednesday

Target :

- Complete Do We really need million faces
- Complete the other two papers as well : A multi scale cascade fully convolutional network face detector, regressing parameters for 3DMM
- Finish upto week 10

Accomplished :

- Complted two papers : Do we really need million faces, and multi scale cascade fcn face detector, and started regressing parameters for 3DMM

1.1.4 18 May : Thursday

Target :

- Complete regressing 3DMM parameters
- Complete till week 10 from NN
- Also try to do the course CS231n Stanford : CNN for Visual Recognition.

Accomplished :

- Slight part of regressing 3DMM parameters is left, but will leaving it as is.
- Downloaded the new papers, and had a brief overview regarding that.

1.1.5 19 May : Friday

Target :

- Read all the 4 papers regarding MediFor.
- Complete till week 10 from NN
- Also see CS231n Stanford course.

Accomplished :

- Got a new Problem Statement : Given an image, need to develop a score map which can say wheather or not this image was taken in that location or not.
- Downloaded places365, need to start working with it.

1.1.6 20 May : Saturday

No work done.

1.1.7 21 May : Sunday

No work done.

1.2 Week 22 May to 28 May

1.2.1 22 May : Monday

Target:

- Read im2gps paper, unsupervised visual representation learning by context prediction.
- Get places365 running nicely, and try to replicate the results.
- Complete till week 10 of NN course.
- Understand the problem statement once again.
- Get a hang of Caffe.

Accomplished:

- Read im2gps paper. Mildly interesting, mostly experiments. Didn't really explain well what it wanted to show.
- Read the unsupervised Visual representation learning by context prediction.
- Did the lec6e finally, and started lec7 of NN course.

1.2.2 23 May : Tuesday

Target:

- Get hang of how to use Caffe.
- Get Places-CNN working.

Accomplished:

- Got a good hang of caffe. Tried 3 hands on examples.
- The places365 website was down for some, reason, couldn't really do anything on that.
- Read first 3 lectures of CS231n. Tried few hands on examples.

1.2.3 24 May : Wednesday

Target:

- Get Places-CNN working on laptop. Train if required. See github for reference (site is also up).

2 Weekly Progress

2.1 Week 1

Accomplished:

- Read 4 papers on Face Recog, but then the project was itself scraped, and I was given a new project.
- Read 2 papers (2nd paper near to completion) on Friday.
- Understood the new project on MediFor, but that might be slightly changed in the near future.

2.2 Week 2

Target :

- Try to complete the NN course (all weeks[16]).
- Read papers on the image geolocalization topic.
- Try to replicate the Places-CNN paper results at the earliest.