



COMP30170 Final Year Project

ConvNets for iOS Gesture Recognition Applications

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1 Update

- Set up Xcode and built happiness app from stanford module [1]. App went through how to set up gestures and auto-layout.
- Went through convolutional.py from the tensorflow website in more detail.

2 Items for discussion

- Have everything I need to make the app now
- Is it ok to record meetings electronically in Latex and provide it as supplement to my lab book? What is log-book folder/documentation folder for? Doesn't it have to be hard copy?
- Need to get an Iphone. Is it 4 or above? Ipad type? Ipod touch?

3 Plan for Next Week

In order of priority from top to bottom

- Get permission to record data
- Get app up and running.
- Make a timetable for the year, more detailed one until christmas?
- Start into further deep learning resources e.g. [2–4]. Tensorflow also.
- Investigate paramaterisation of bitmaps.

4 Meeting Notes

Paul: ffmpeg - scale down images

hoffe transform - ellipse

Youtube videos on ios recognition

keep on top of lit review

Need to get on top of NN's and tensorboard for presentation

sequence to sequence

600

ios versions get an iphone device...

References

- [1] P. Hegarty. (2016) Developing ios 8 apps with swift. [Online]. Available: <https://itunes.apple.com/en/course/developing-ios-8-apps-swift/id961180099>
- [2] Ng. (2016) Stanford course on machine learning. [Online]. Available: <https://www.coursera.org/learn/machine-learning>
- [3] V. Vanhoucke. (2016) Udacity course on machine learning. [Online]. Available: <https://www.udacity.com/course/deep-learning--ud730>
- [4] NVIDIA. (2016) Course on deep learning. [Online]. Available: <https://developer.nvidia.com/deep-learning-courses>