COMP30170 Final Year Project

ConvNets for iOS Gesture Recognition Applications

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Table of Contents

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

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