COMP30170 Final Year Project
ConvNets for iOS Gesture Recognition Applications

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1   Update

☐ Set up Xcode and built calculator from stanford module [8]. Very good and Lecturer explains very clearly. I've gone through Basic syntax and MVC so far. This was done in the first 3 videos.

☐ Finished Coursera videos. Went through variance and bias. Also went through problems that can arise and when certain solutions apply. Highlighted some issues to be aware of and avoid. - More data isn't always the right answer - Cross validation set allows for more valid testing - When to add more features/neurons to the network

☐ Set up Latex through Texmaker and Texlive

☐ Signed risk assessment form

2   Items for discussion

☐ Would like to set up app asap and then do further state of the art research as I am collecting data. For this reason I suggest devoting as much of this week as needed to get app up and running and recording some sample data

☐ 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? Will I use bib for ongoing references vs weekly bib for stuff I find during the week? Should I use reference manager?

☐ Use a cross validation set? Implications on data set to be recorded?

☐ Experiment with GPU? Do I need CUDA for this?

☐ Discuss timetable? Maybe better to do this after I have a rough outline made?

☐ Any advice on where to work when I graduate?

☐ Is it possible to do a PHD in few years? What are the differences between doing one now and then?

☐ Funding for PHD?

☐ Working abroad vs. Ireland?

3   Plan for Next Week

In order of priority from top to bottom

☐ Get app up and running.

☐ Make a timetable for the year, more detailed one until christmas?

☐ Start into further deep learning resources e.g. [5–7].

☐ Investigate paramaterisation of bitmaps.

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