**Image Classifier Project**

**Meeting at 19:00 every Thursday**

**Computer vision (ANNE)**

Image preprocess

bluring

edge detection

**Deep learning (Darcy, Channer)**

http://deeplearning.net/

TensorFlow, from Google -- darcy

https://www.kaggle.com/kakauandme/digit-recognizer/tensorflow-deep-nn

https://www.tensorflow.org/versions/0.6.0/get\_started/index.html

MXNet -- GPU speedup -- channer

https://github.com/channerduan01/mxnet

**Other learning algorithm (Leela)**

ANN

SVM

**Parellel computing (Channer)**

Maybe hard to implement~ depends on learning algorithm

MPI

for Python: https://pythonhosted.org/mpi4py/usrman/tutorial.html

MapReduce, Hadoop

Spark

**General Speedup (All of us)**

for Python: https://www.huyng.com/posts/python-performance-analysis