**Peer Evaluation and Self Reflection**

One thing I really have to admit is that out project this year is challenging, whose difficulty is not just from having to understand abstract ideas in deep learning from the most recently published papers, but also from how we can implement our ideas using the technologies we are not familiar with. But from my point of view, everyone of has done fair contribution to the project. I can't really call it a success because we kind of compromised during the process due to some difficulties we met, but we indeed learn a lot from it.

At the beginning of this semester, in order to get ourselves prepared for our project and worked alone first. I started with GAN and CNN, both of which are of those that I'm more familiar with. By using Keras, I implemented DCGAN and ran MNIST dataset on it, which appears to be pretty good on performance and especially encouraged.

Then we decided to implement VideoGAN using Tensorflow and met pretty big problems. The original authors who proposed this model used Torch, since I don't know either Tensorflow or Torch, it's pretty hard for me to learn both at the same time and translate and some advanced features are not supported in Tensorflow, unlike Keras. However, Kabir and Jaeick contributed a lot building the model and offered a lot of valuable ideas.

After finding that there may be bugs in Tensorflow's deconvolution layer, we switched to PyTorch and seems like there is still some problems in it. All these experiences make me think that it is really an important decision to make when choosing the technology to use for those that are too low-level may create lots of troubles that are very hard to solve. Also, though the project for this semester is officially ended, it shows to me that I still need to work more on practicing implementing the models from nothing by my own as well as learning more theory of machine learning, so that I can better understand the papers as well as tuning my own models in the future.