Link :

<https://github.com/s5j14t12/Training-Tiny-PASCAL-VOC-dataset-model-using-Mask-R-CNN>

Reference :

<https://github.com/matterport/Mask_RCNN>

Introduction :

I use mrcnn to train model and test data , and I use imagenet pretrained weight as pretrained weight..

Methodology :

train : The variable auto\_download is preset false and I didn’t change it, and I set the model\_path as model.get\_imagenet\_weights(), which would get imagenet pretrained weight from python library, so I use no coco pretrained weight in this homework. I change class number to 21 and change subset as “train” to fit the train dataset, the model’s batch size is 1 and epochs is 32, but it crashed at epoch25.

test : Before testing I change the WEIGHT\_PATH to the path to weight file I train, and then set cpu to run testing and change subset to “test”, then get json file and finish testing.

Summary :

In this homework we use mrcnn. I learn a lot about mrcnn through this homework, though I still don’t all the functions use in mrcnn because of its large amount.