Coincidence:

Our project content is the same as hw7 and one of our source code is also the same as hw7 because they both from the same github. We never knew the lecture content when we wrote propasal, so it is completely an accident.

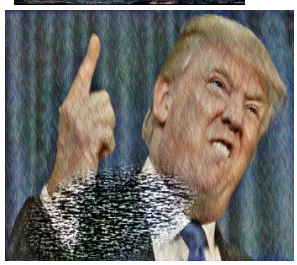
What we have done:

1. Set up the anishathalye' s neural style code:
   i. rewrite the legacy code: etc. tf. -> tf.compat.v1. `scipy.misc.imresize->np.resize`
   ii. update the GPU driver and CUDA-kit to fit the verstion of tensorflow
   iii. download the required packages/neural network: etc. Pillow, vgg, graph.pb

some running examples from hw 7:





Comments: Apparently, this are very bad. There are two things we need to resolve:

1. the first is that we want to separate the main figure and the background of the content picture, for example, we want to separate Trump and his blue background. In this case, we will find the image algorithm to capture the main figure of the picture, etc. Ostu algorithm. We will compare some of them to get the best one.
2. The second is that we may need to adjust parameter or apply image preprocessing to increase the representation of content image outline so that we will not destroy or blur the content image.

2. Partially set up the code from Abu' s github-who offers another way to implement Prisma.

   Abu has implemented many image capture algorithms and so fit for our goal.

   i. Update some code from old module version
   ii. This project used caffe module, but it is not matained after 2008, so some of the dependency' s version is not compatible for caffe module. I spend two days working on making its dependencies compatible. Dependencies include boost, protouf, opencv, libcaffe, openblas, hdf5.
   iii. Got caffe compiled successfully.

   What problems remain:

   i. Caffe compiled successfully, but it can' t be imported