APPENDIX A

```
Code Listing 1. GAN Discriminator
Conv2D(32, kernel_size=5,
        strides = 2, padding = 'same'.
        kernel_initializer=RandomNormal(stddev=std),
        input_shape = (64, 64, 3)),
LeakyReLU(alpha=leaky_alpha),
Conv2D(64, kernel\_size=5, ...),
BatchNormalization(),
LeakyReLU(alpha=leaky_alpha),
Conv2D(128, kernel\_size=5, ...),
BatchNormalization(),
LeakyReLU(alpha=leaky_alpha),
Flatten(),
Dense (1,
        kernel_initializer=RandomNormal(stddev=std)),
Activation ('sigmoid')
              Code Listing 2. GAN Generator
Reshape (target_shape = (8, 8, 384)),
BatchNormalization(),
LeakyReLU(alpha=leaky_alpha),
Conv2DTranspose(192, kernel_size=5, ...) ,
BatchNormalization(),
LeakyReLU(alpha=leaky_alpha),
Conv2DTranspose(96, kernel_size=5, ...) ,
BatchNormalization(),
LeakyReLU(alpha=leaky_alpha),
Conv2DTranspose(3, kernel_size=5, ...),
Activation('tanh')
```