System

GTX1060 (notebook)

Intel i7 7th gen

Ubuntu 16.04

Fresh install Ubuntu

Driver

Installed via ubuntu software - 384.130

(Can be installed via command line (turned off X-server etc))

CUDA toolkit (9.0)

followed : https://gist.github.com/zhanwenchen/e520767a409325d9961072f666815bb8, from section 2

cuDNN (7.0.5 Dec 5, 2017)

followed : https://gist.github.com/zhanwenchen/e520767a409325d9961072f666815bb8, from ´install cuDNN 7.0´ section

important to install 7.0.X - previously installed 7.1.X, used : https://github.com/williamFalcon/tensorflow-gpu-install-ubuntu-16.04/issues/8, to downgrade to 7.0.X

openCV (CUDA enabled)

used : https://www.pyimagesearch.com/2016/07/11/compiling-opencv-with-cuda-support/

Thereafter, tensorflow with GPU installed successfully via pip install

Follow : https://www.tensorflow.org/install/install\_linux#top\_of\_page