Tesnorflow and local gpu setup

<https://towardsdatascience.com/installing-tensorflow-with-cuda-cudnn-and-gpu-support-on-windows-10-60693e46e781>

<https://www.tensorflow.org/install/gpu>

1. Visual studio community <https://visualstudio.microsoft.com/dev-essentials/#software>
2. Cuda toolkit <https://developer.nvidia.com/cuda-downloads?target_os=Windows&target_arch=x86_64&target_version=10&target_type=exelocal>
3. cuDNN <https://developer.nvidia.com/rdp/cudnn-download>

cudnn64\_8.dll

from: C:\Users\mhayt\Documents\cuda\bin

to: C:\Program Files\NVIDIA GPU Computing Toolkit\CUDA\v11.1\bin

cudnn.h

from: C:\Users\mhayt\Documents\cuda\include

to: C:\Program Files\NVIDIA GPU Computing Toolkit\CUDA\v11.1\include

cudnn.lib

from: C:\Users\mhayt\Documents\cuda\lib\x64

to: C:\Program Files\NVIDIA GPU Computing Toolkit\CUDA\v11.1\lib\x64

add following to path

Control Panel ->System and Security->System->Advanced System settings.

C:\Program Files\NVIDIA GPU Computing Toolkit\CUDA\v10.0\extras\CUPTI\libx64