Pre-reqs:
A viable, cuda enabled graphics card. Check based off this website:
https://developer.nvidia.com/cuda-gpus

1. UNINSTALL ALL NVIDIA PRODUCTS (This will save you a huge headache, trust me!)
(The graphics driver I instruct you to install will install respective drivers later)

2. Find the compute capability of your graphics card (SUPER IMPORTANT!)

3. Find and download the compatible Nvidia Computing Toolkit for your respective computing capability
(Example: My GTX 770 has 3.0 compute capability and would use Cuda 9.0)

4. Download the compatible cuDNN to your computing toolkit

5. Extract the cuDNN zip folder to your desktop.

6. Open a new windows explorer and navigate to C:\Program Files\NVIDIA GPU Computing Toolkit\CUDA\Vx.x\ .

7. Now copy the contents of the downloaded and extracted cuDNN folder into the appropriate folders (files from cuDNN bin go into the new windows explorer bin folder etc. Ask me for help if you're stuck)

8. Navigate to your system enviorment variables and edit the path. Add the following two directories into your path:
- C:\Program Files\NVIDIA GPU Computing Toolkit\CUDA\v9.0\bin
- C:\Program Files\NVIDIA GPU Computing Toolkit\CUDA\v9.0\libnvvp

9. Install Anaconda (MAKE SURE TO DOWNLOAD PIP IN PATH!)

10. Set up a virtual enviorment using python 3.5
- conda create -n [nameofenvironment] python=3.5

11. Activate the virtual enviorment
- activate [name]

12. Install the following packages
- pip install --ignore-installed --upgrade tensorflow-gpu.version=(VERSION THAT IS COMPATIBLE WITH YOUR COMPUTING KIT!!!!)
- pip install keras
- pip install numpy (recommended but not mandatory)