A. CUDA 10.2 Installation

1. Upgrade the system, and reboot if required.

$ sudo apt update

$ sudo apt upgrade

$ sudo reboot

2. Install CUDA Toolkit from official site.

$ wget
https://developer.download.nvidia.com/compute/cuda/repos/ubuntu1804/x86_64/cuda-ubuntu1804.pin

$ sudo mv cuda-ubuntu1804.pin /etc/apt/preferences.d/cuda-repository-pin-600

$ wget
http://developer.download.nvidia.com/compute/cuda/10.2/Prod/local_installers/cuda-repo-ubuntu1804-10-2-local-10.2.89-440.33.01_1.0-1_amd64.deb

$ sudo dpkg -i cuda-repo-ubuntu1804-10-2-local-10.2.89-440.33.01_1.0-1_amd64.deb

$ sudo apt-key add /var/cuda-repo-10-2-local-10.2.89-440.33.01/7fa2af80.pub

$ sudo apt-get update

$ sudo apt-get -y install cuda

3. Add CUDA into the PATH.

$ echo 'export PATH=/usr/local/cuda-10.2/bin${PATH:+:${PATH}}' >> ~/.bashrc

$ echo 'export
LD_LIBRARY_PATH=/usr/local/cuda10.2/lib64${LD_LIBRARY_PATH:+:${LD_LIBRARY_PATH}}'
>> ~/.bashrc

4. Reboot the computer.

$ sudo reboot

5. Verify the installation.

$ cat /usr/local/cuda/version.txt

$ nvcc --version

$ nvidia-smi

B. Anaconda Installation

1. Install Anaconda

wget https://repo.anaconda.com/archive/Anaconda3-2020.02-Linux-x86_64.sh

bash Anaconda3-2020.02-Linux-x86_64.sh

2. Reboot the computer.

$ sudo reboot