Ubuntu 22.04 LTS on GCP - GPU enabled instance with 8 CPU and 104 GB RAM

https://docs.nvidia.com/cuda/cuda-installation-guide-linux/index.html

sudo apt update

sudo apt upgrade

[potential for restart for changes to take effect]

sudo apt install build-essential

From:

<https://developer.nvidia.com/cuda-downloads?target_os=Linux&target_arch=x86_64&Distribution=Ubuntu&target_version=22.04&target_type=deb_local>

Gives these commands:

wget https://developer.download.nvidia.com/compute/cuda/repos/ubuntu2204/x86\_64/cuda-ubuntu2204.pin

sudo mv cuda-ubuntu2204.pin /etc/apt/preferences.d/cuda-repository-pin-600

wget https://developer.download.nvidia.com/compute/cuda/11.7.0/local\_installers/cuda-repo-ubuntu2204-11-7-local\_11.7.0-515.43.04-1\_amd64.deb

sudo dpkg -i cuda-repo-ubuntu2204-11-7-local\_11.7.0-515.43.04-1\_amd64.deb

sudo cp /var/cuda-repo-ubuntu2204-11-7-local/cuda-\*-keyring.gpg /usr/share/keyrings/

sudo apt-get update

sudo apt-get -y install cuda

sudo apt-get install nvidia-kernel-open-515

curl --output anaconda.sh <https://repo.anaconda.com/archive/Anaconda3-5.3.1-Linux-x86_64.sh>

bash anaconda.sh

source ~/.bashrc

conda –version

sudo apt install git

git clone <https://github.com/sreiter1/Capstone_Final.git>

cd Capstone\_Final

conda env create -n capstone --file capstone.yml