Log in Turing Account

ssh wpi_email_user_name@turing.wpi.edu

password same as your wpi email

Basic Commands for Linux

pwd //print the name of current working directory
ls // show all the files under current working dicrectory
cd ~ // change directoryto your root
cd ~/ds504/ // change directory to ds504
mkdir ds504 // create a folder named ds504
mv folder_1 folder_2 // move a folder to another folder or change folder_1's name to folder_2
cp -r folder_1 folder_2 // copy folder_1 to folder_2
rm -r folder_name // delete a folder or a file
vi file // to view and modify a file or create a file if the file name is not exist

type a/i to insert

type esc to exit

wp // write and quit

q // quit (when you didn't change anything)

q! // quit without saving

scp -r local_file_path target_file_path // upload or download files [Must be used in your local terminal]

Basic Commands for Turing

sbatch **.sh // submit your job
squeue // view all the jobs
scancel jobID // cancel your job
module list // view your model
module load ** // load module you need, such as cuda

Install Anaconda

Download anaconda https://www.anaconda.com/distribution/#linux
Upload to your Turing account (scp -r LocalFilePath TargetFilePath) e.g. scp -r f.sh hren@turing.wpi.edu:~/
bash **.sh // install anaconda
source ~/.bashrc // activate anaconda

Virtual Environment

conda create -n myenv python=3.6 //create a new virtual environment
conda activate myenv // activate the virtual environment
conda deactivate // deactivate the virtual environment
conda install ** // install some packages you need
[You need to activate your virtual environment before running your code]

Shell Script for Turing

Eg. [you can copy the following script, and make sure this shell script is in the same directory as the python file you want to run.]

```
#!/bin/bash
#SBATCH -N 1 // number of nodes
#SBATCH -n 2 // number of CPUs
#SBATCH --mem=16G // memory as you need
#SBATCH -p short //long 7days, or short 24 hours
#SBATCH -C K80 // GPU, you can choose K40, K20 as you need
#SBATCH -o ds504.out // output file name
#SBATCH --gres=gpu:2 // number of GPUs
python GAN.py // the python file you want to run
```

[Please remove the commands before you use the script.]

For more details, please see http://arc.wpi.edu/cluster-documentation/build/html/batch_manager.html