```
ssh malamin@knuckles.cs.ucl.ac.uk
ssh malamin@blaze.cs.ucl.ac.uk
source CUDA_SETUP.csh
env | grep CUDA
nvidia-smi
discquota
```

Testing Tensorflow
```
import os
os.environ['TF_CPP_MIN_LOG_LEVEL']='2'
import tensorflow as tf
tf.__version__
hello=tf.constant('Hello, Tensorflow!')
sess=tf.Session()
print(sess.run(hello))
```

Testing GPU
```
import os
os.environ['TF_CPP_MIN_LOG_LEVEL']='2'
import tensorflow as tf
tf.config.experimental.list_physical_devices('GPU')
a=tf.constant([1.0,2.0,3.0,4.0], shape=[2,2], name='a')
b=tf.constant([1.0,2.0,3.0,4.0], shape=[2,2], name='b')
c=tf.matmul(a,b)
sess=tf.Session(config=tf.ConfigProto(log_device_placement=True))
print(sess.run(c))
```

```
import torch
torch.cuda.is_available()
torch.version.cuda
print(torch.cuda.current_device())
```

Push and Pull Data
```
rsync -ravn [File_to_copy] [Destination]
```

```
rsync –avn malamin@knuckles.cs.ucl.ac.uk:~/pytorch–
superpoint/evaluation.py /Users/andiwikaputri/Downloads/
```

```
rsync –ravn malamin@knuckles.cs.ucl.ac.uk:~/pytorch–superpoint/datasets
/Users/andiwikaputri/Downloads/
```

Application for Transfer Data
Cyberduck
FileZilla (Port:22)

Access Blaze (Old)
```
ssh malamin@knuckles.cs.ucl.ac.uk
ssh malamin@blaze.cs.ucl.ac.uk
cd /usr/local/cuda/
source CUDA_VISIBILITY.csh
env | grep CUDA
nvidia-smi
```

Set environment
```
setenv PATH /opt/Python/Python-3.6/bin:$PATH
pip install tensorflow-gpu --user
cd ~
cp .uclcs-csh-options.example .uclcs-csh-options
set CS_PRE_PATH = ( opt/Python/Python-3.6/bin )
```