

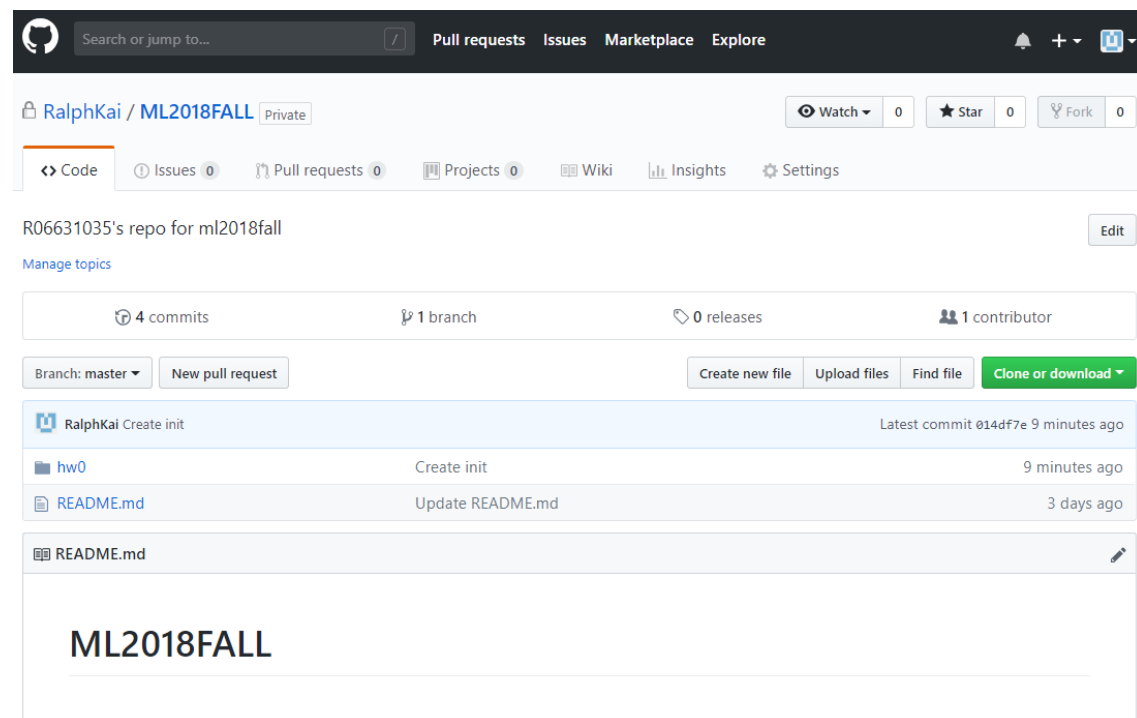
## 1. 學號系級姓名:

學號: R06631035

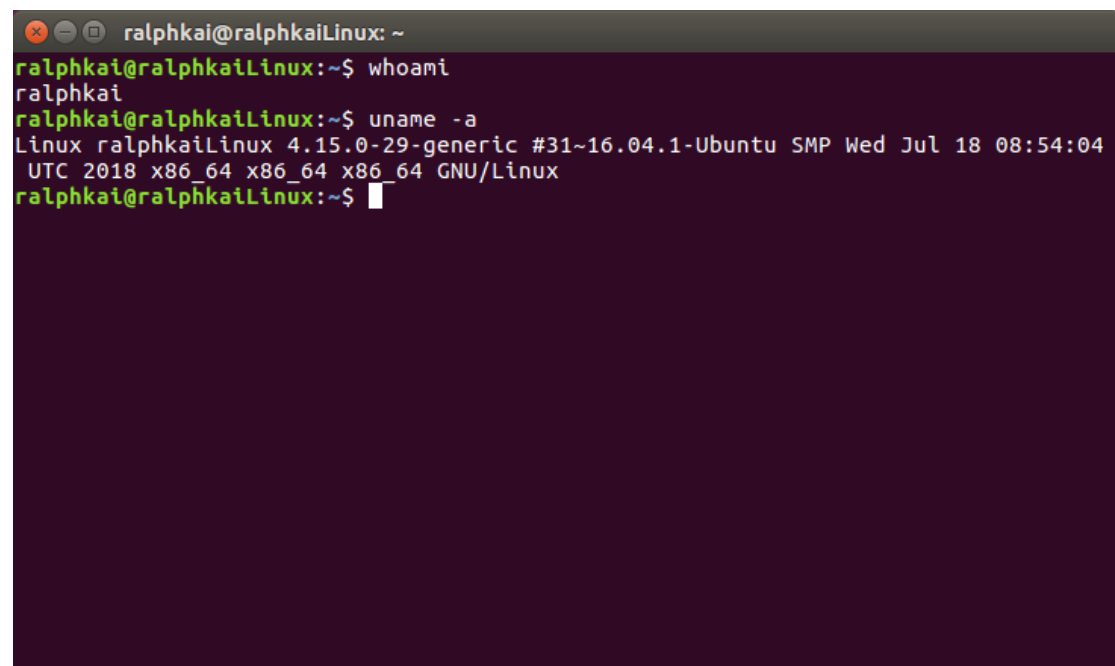
系級: 生物機電工程學系研究所二年級 (生機碩二)

姓名: 王凱陞

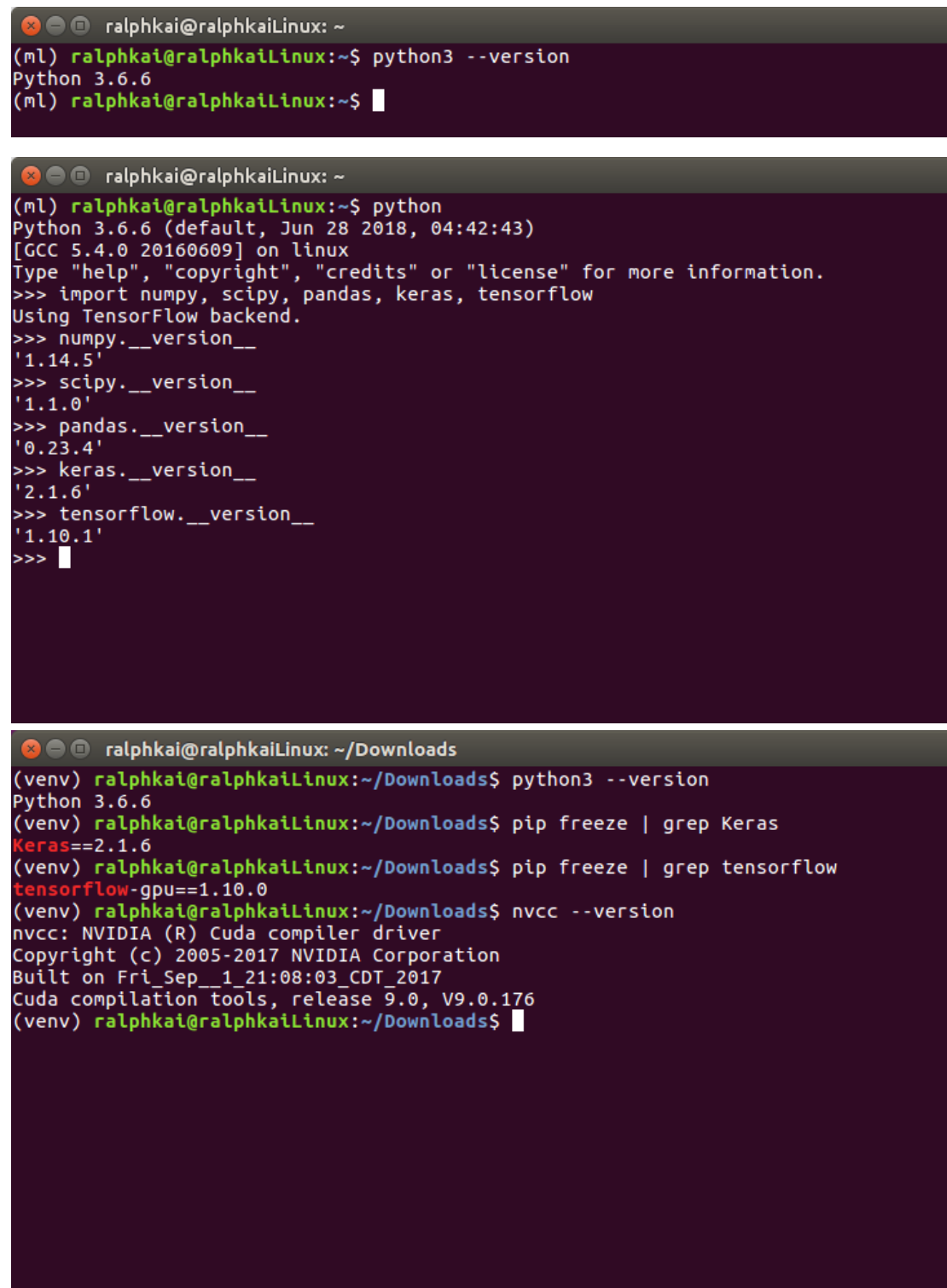
## 2. Github Repo Screenshot:



## 3. OS Screenshot:



## 4. Python Version Check Screenshot:



The image displays three terminal windows from a Linux environment, showing the process of checking Python versions and installing dependencies.

**Terminal 1:** Shows the command `python3 --version` being executed, resulting in `Python 3.6.6`.

```
ralphkai@ralphkaiLinux: ~  
(ml) ralphkai@ralphkaiLinux:~$ python3 --version  
Python 3.6.6  
(ml) ralphkai@ralphkaiLinux:~$
```

**Terminal 2:** Shows the command `python` being executed, which starts the Python interpreter. It then shows the command `import numpy, scipy, pandas, keras, tensorflow` being executed, followed by `Using TensorFlow backend.` and the versions of the installed packages being displayed.

```
ralphkai@ralphkaiLinux: ~  
(ml) ralphkai@ralphkaiLinux:~$ python  
Python 3.6.6 (default, Jun 28 2018, 04:42:43)  
[GCC 5.4.0 20160609] on linux  
Type "help", "copyright", "credits" or "license" for more information.  
>>> import numpy, scipy, pandas, keras, tensorflow  
Using TensorFlow backend.  
>>> numpy.__version__  
'1.14.5'  
>>> scipy.__version__  
'1.1.0'  
>>> pandas.__version__  
'0.23.4'  
>>> keras.__version__  
'2.1.6'  
>>> tensorflow.__version__  
'1.10.1'  
>>>
```

**Terminal 3:** Shows the command `python3 --version` being executed, resulting in `Python 3.6.6`. It then shows the command `pip freeze | grep Keras` being executed, resulting in `Keras==2.1.6`. It then shows the command `pip freeze | grep tensorflow` being executed, resulting in `tensorflow-gpu==1.10.0`. Finally, it shows the command `nvcc --version` being executed, resulting in the output of the NVIDIA CUDA compiler driver version.

```
ralphkai@ralphkaiLinux: ~/Downloads  
(venv) ralphkai@ralphkaiLinux:~/Downloads$ python3 --version  
Python 3.6.6  
(venv) ralphkai@ralphkaiLinux:~/Downloads$ pip freeze | grep Keras  
Keras==2.1.6  
(venv) ralphkai@ralphkaiLinux:~/Downloads$ pip freeze | grep tensorflow  
tensorflow-gpu==1.10.0  
(venv) ralphkai@ralphkaiLinux:~/Downloads$ nvcc --version  
nvcc: NVIDIA (R) Cuda compiler driver  
Copyright (c) 2005-2017 NVIDIA Corporation  
Built on Fri_Sep__1_21:08:03_CDT_2017  
Cuda compilation tools, release 9.0, V9.0.176  
(venv) ralphkai@ralphkaiLinux:~/Downloads$
```