ECE 180DA Week 2 Report by **Ryan Kosasih (UID: 105552750)**

Week 2 is the week to set up RasPi, starting from installing RasPi OS to get into RasPi hardware via ssh. In addition, berryconda has been installed into the RasPi. Plenty of issues have been encountered in this week, therefore the submission deadline has been extended.

180DA-WarmUp git has also been cloned into the RasPi. A separate screenshot should be available in the repo but is also included in this report.

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My laptop is running Windows 10 with Ubuntu subsystem. Up until now neither installation Bonjour nor iTunes enable RasPi to be connected via cable data. Therefore, my only option is to connect it wirelessly. The major issue experienced was the inability to figure the IP address of the RasPi, which led to re-imaging of RasPi OS to finding solutions from the internet. From the issues encountered, I learned:

1. RasPi can be connected to routers with 5GHz bandwidth. Refer to the screenshot below for my router’s settings.

Graphical user interface, application, table

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1. In order to run as admin in the subsystem (in my understanding, but might be wrong), type:

***sudo su***

This enables me to install both conda in the subsystem and berryconda in the RasPi.

1. To figure out the IP address of our RasPi wirelessly from Windows command prompt (cmd), type:

***arp -a***

The command above displays a list of devices connected to the router. It is best to disconnect as many devices as possible, because the only way to figure the RasPi’s IP address is to ssh every single IP address from the list. Refer to the screenshot below. In my case, I tried to connect to the ‘dynamic’ ones.

Calendar

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