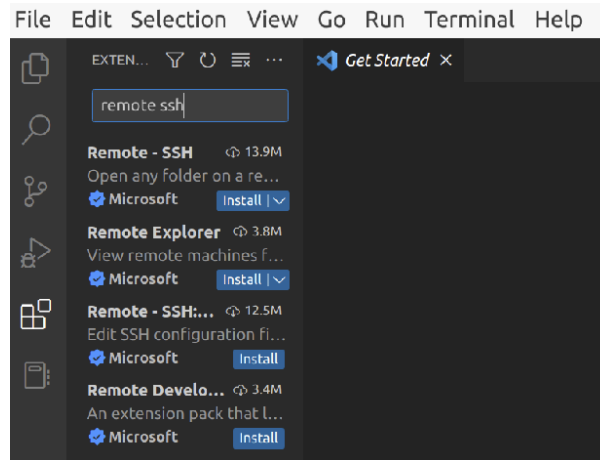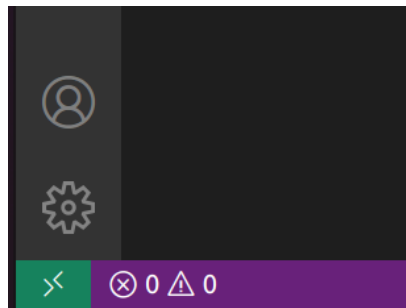# Setting up VSCode

The [Visual Studio Code Remote - SSH](#) extension allows you to open a remote file/folder on any remote machine with a running SSH server and take advantage of VS Code's environment. Once connected to a server, you can interact with files and folders anywhere on the remote filesystem.
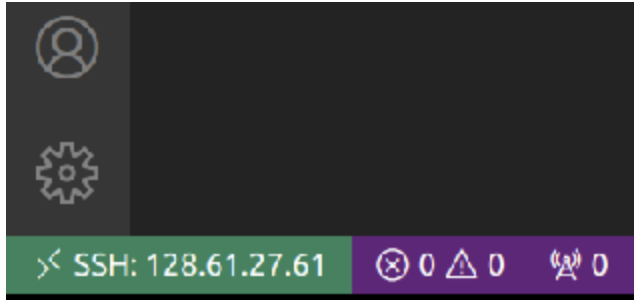
Setup Steps:
1. Install [VSCode](#) on your computer
2. Go to the Extensions tab on the left bar and search for "Remote - SSH"

3. Install Remote - SSH
4. Once installed, you should see a green button in the bottom lefthand corner of the window. Click this button.

5. At the top of the screen select "Connect to Host" then "Add New SSH Host"
6. Ssh into your turtlebot (i.e., ssh burger@XXX.XX.XX.XX).
7. It will then ask you to select a config file. Just hit enter. (This will automatically create a config file if you do not have one already)
8. Once this is done, VScode will install the VSCode Server on your RPi. This should take a few minutes (~3-5 minutes)
9. Once connected, you should see your Turtlebot's IP address in the bottom left hand corner.

10. From here, you are inside to the /home/burger, you can create and open any files/folders to edit inside VScode.

Note: If (and when) your Turtlebot IP address changes, you will need to repeat Steps 5-7 to reconnect.

Helpful Resources
- [Getting Started with Remote - SSH by VSCode](#)