

# VSCode + SSH tutorial

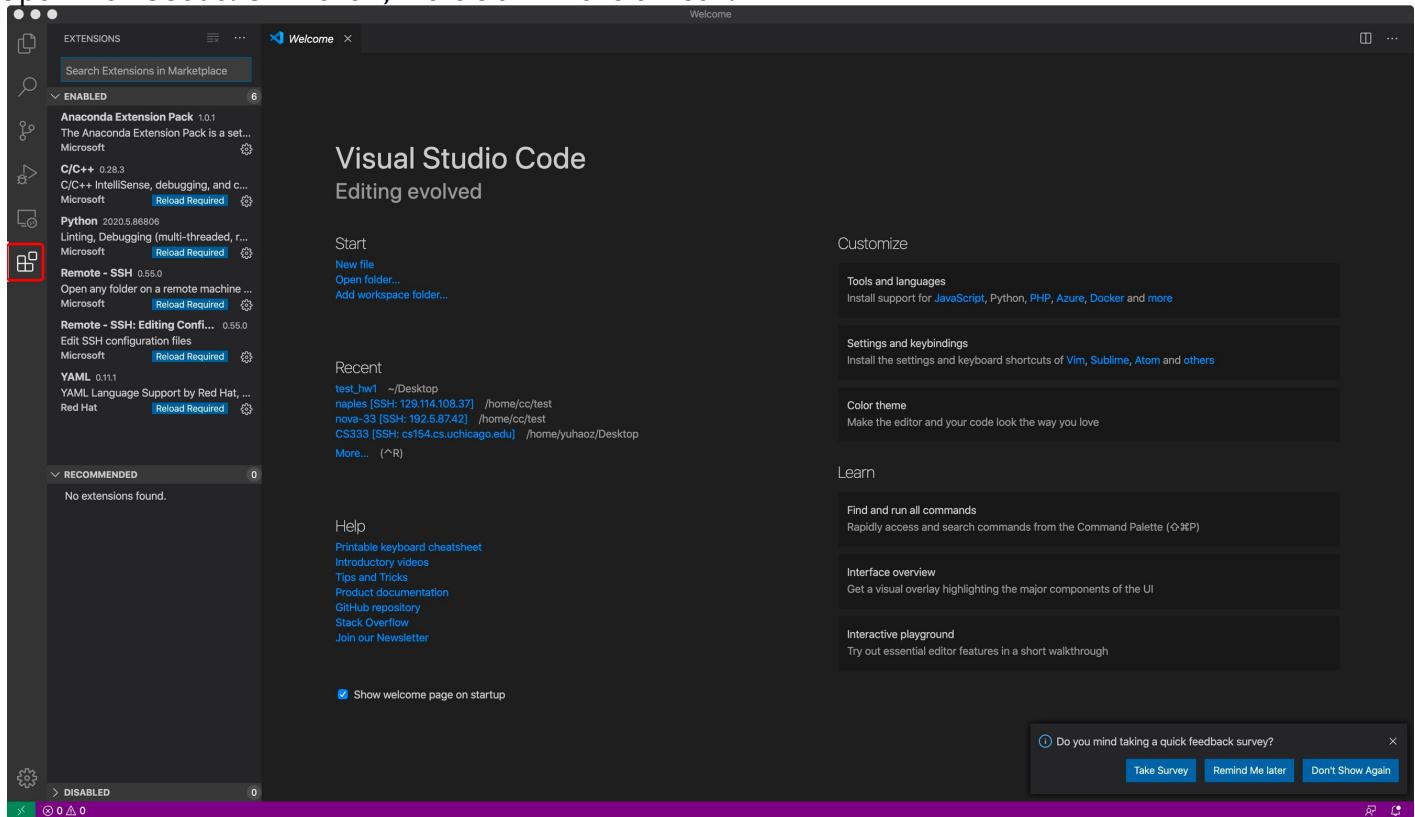
This is optional for CS144, you can skip the tutorial if you prefer vim/emacs on linux. My VSCode may have different version with yours', but the operations should be similar.

## Install VSCode

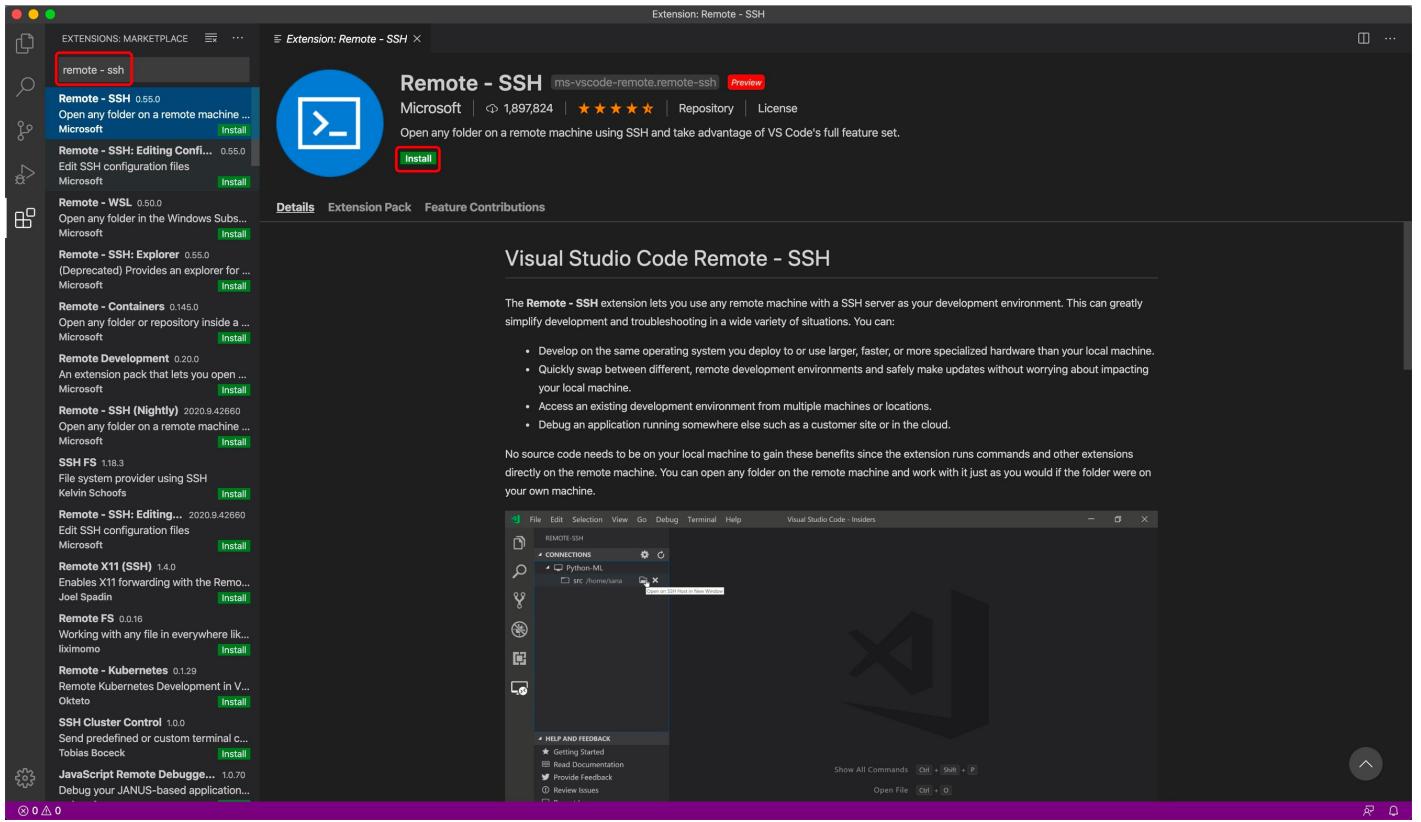
Please check the VSCode homepage. <https://code.visualstudio.com/>.

## Install remote-ssh extension in VSCode

1. Open the VSCode. On the left, there's an Extension icon.



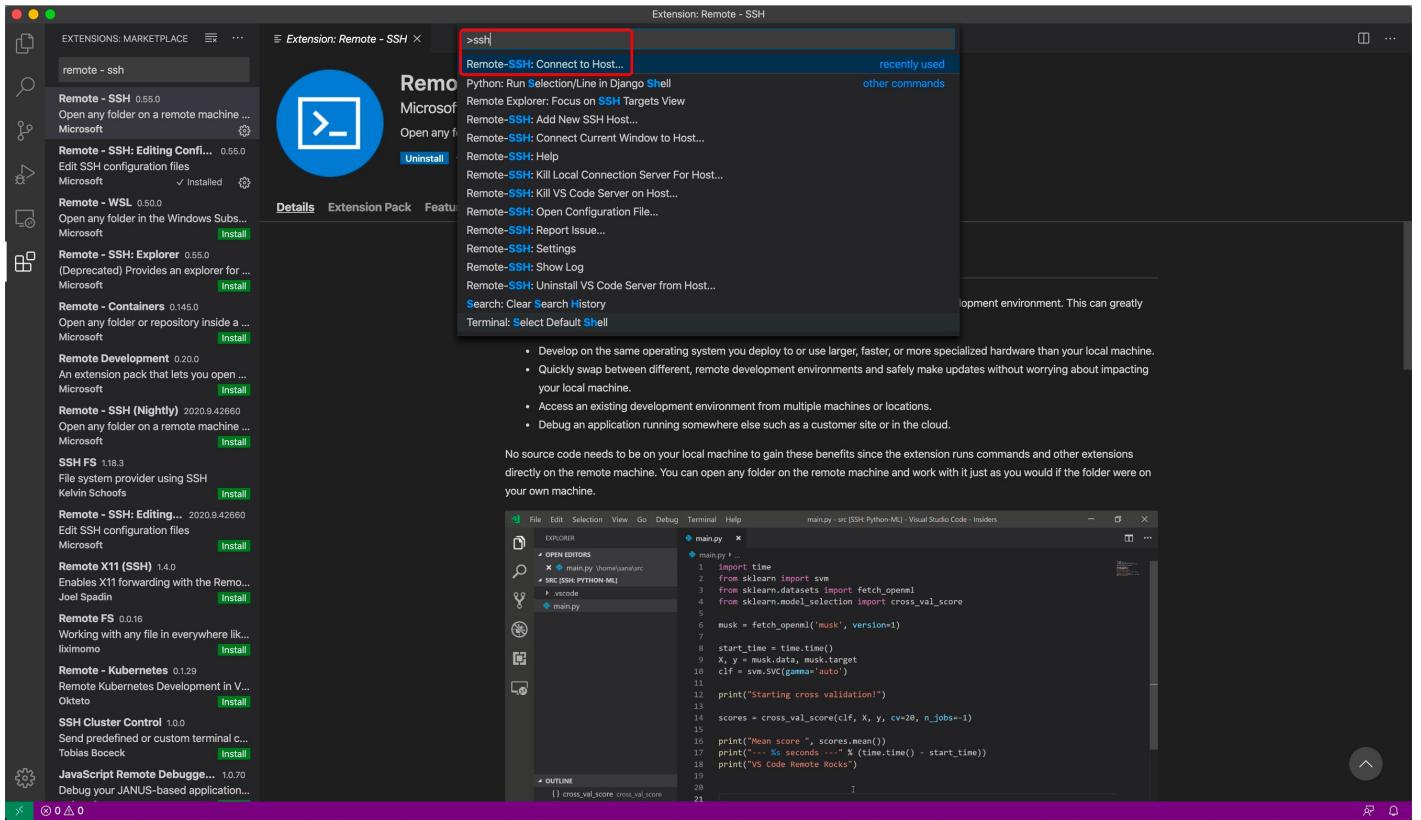
2. Search for **remote-ssh**. Choose the first one and click install.



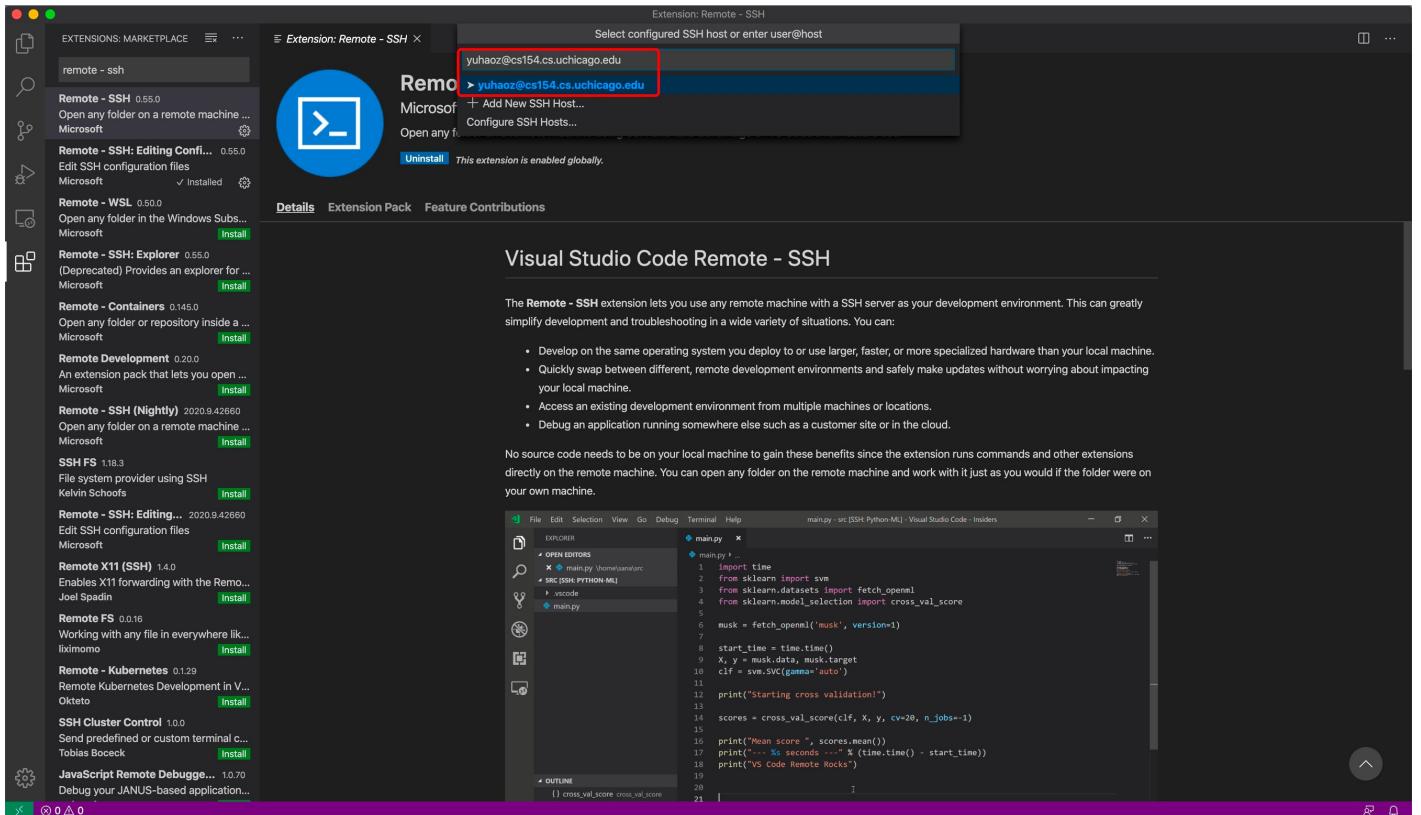
3. You may need to reload VSCode to let the extension initialize.

## Connect to the remote server

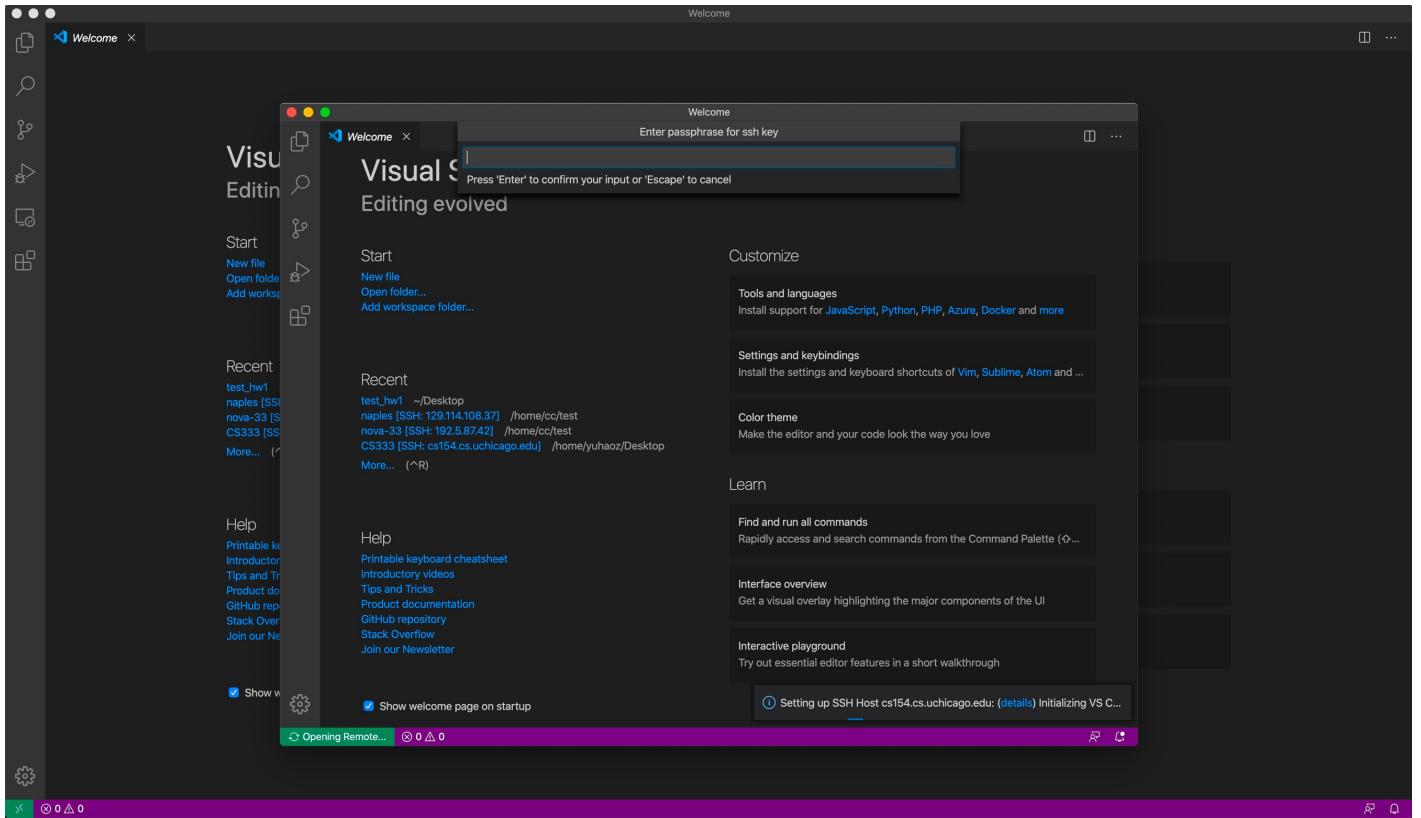
1. Click **View > Command Palette...** or use the shortcut **cmd+shift+p** for Mac and **ctrl+shift+p** for Windows. Type **ssh** and choose **remote-ssh: connect ot host**.



## 2. Type CNETID@linux.cs.uchicago.edu, replace CNETID with your own CNETID.



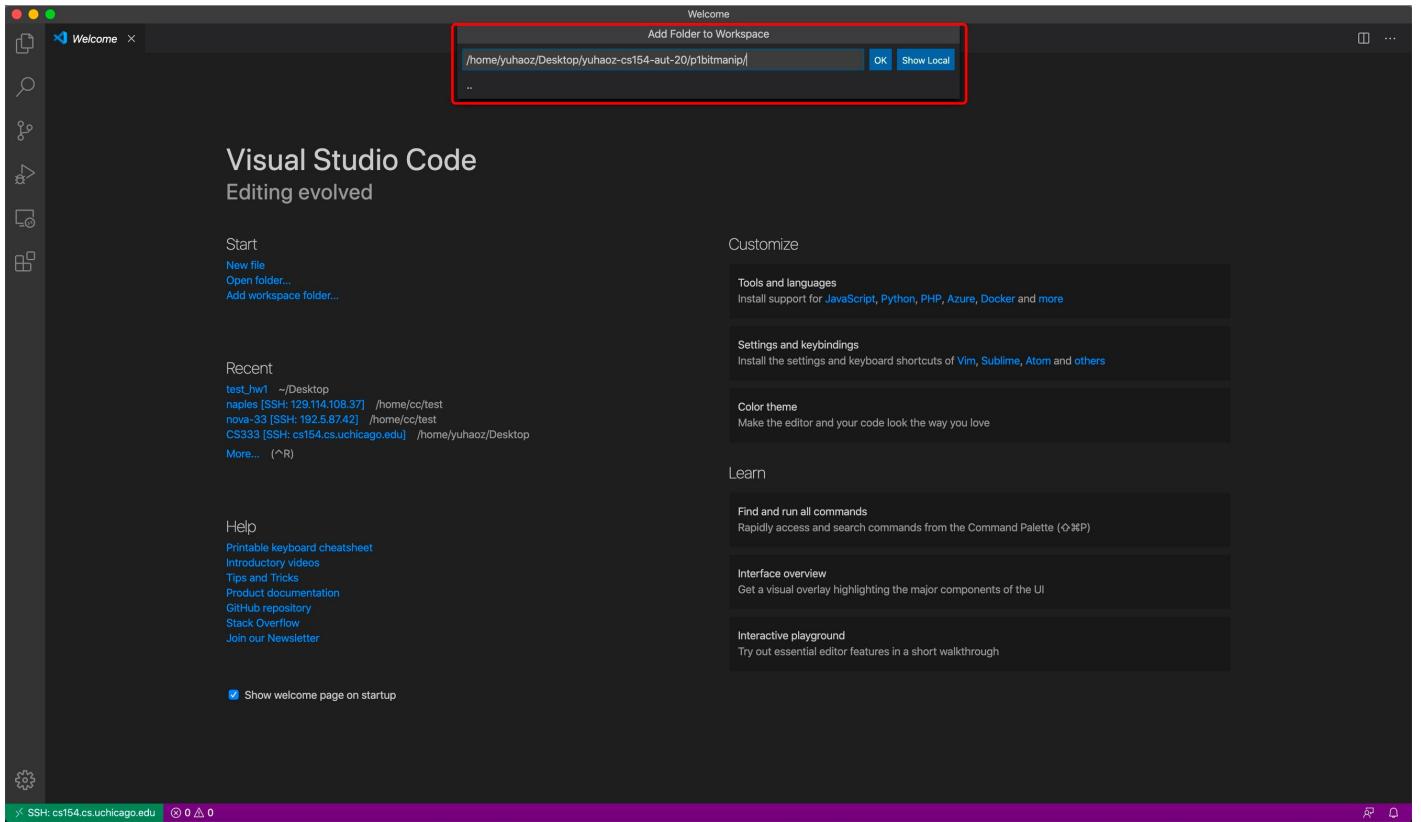
## 3. After that, it will open a new VSCode window.



Enter your passphrase for your SSH key. Then it will connect to the CSIL Machine.

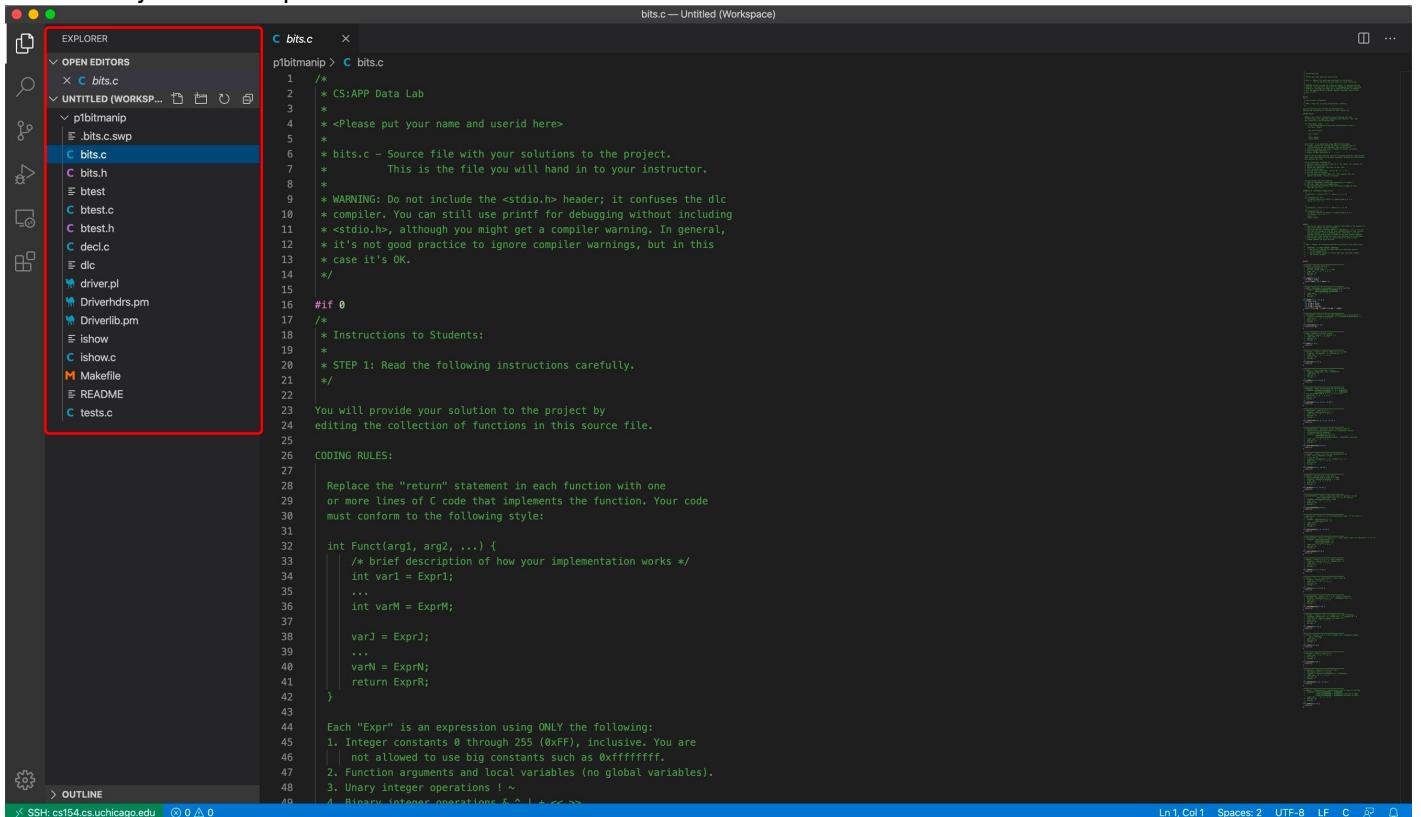
## Add your workspace

1. After connect to the CSIL machine, we need to `cd` to our workspace. Call your **Command Palette** again and type **folder**. Choose **Add folder to your workspace** in my case and enter your path to workspace. Note: You can add the whole [CNETID]-cs144-aut-23 folder to your workspace to avoid adding one folder for each project.



and click **OK**.

## 2. It will add your workspace.



You can do remote editing now. Once you edit and save, changes will be made on remote.

3. Also, you can open terminal on VSCode. Please try cmd+shift+p and type terminal, choose **Open New External Terminal** (or just try cmd+shift+c for shortcut).

