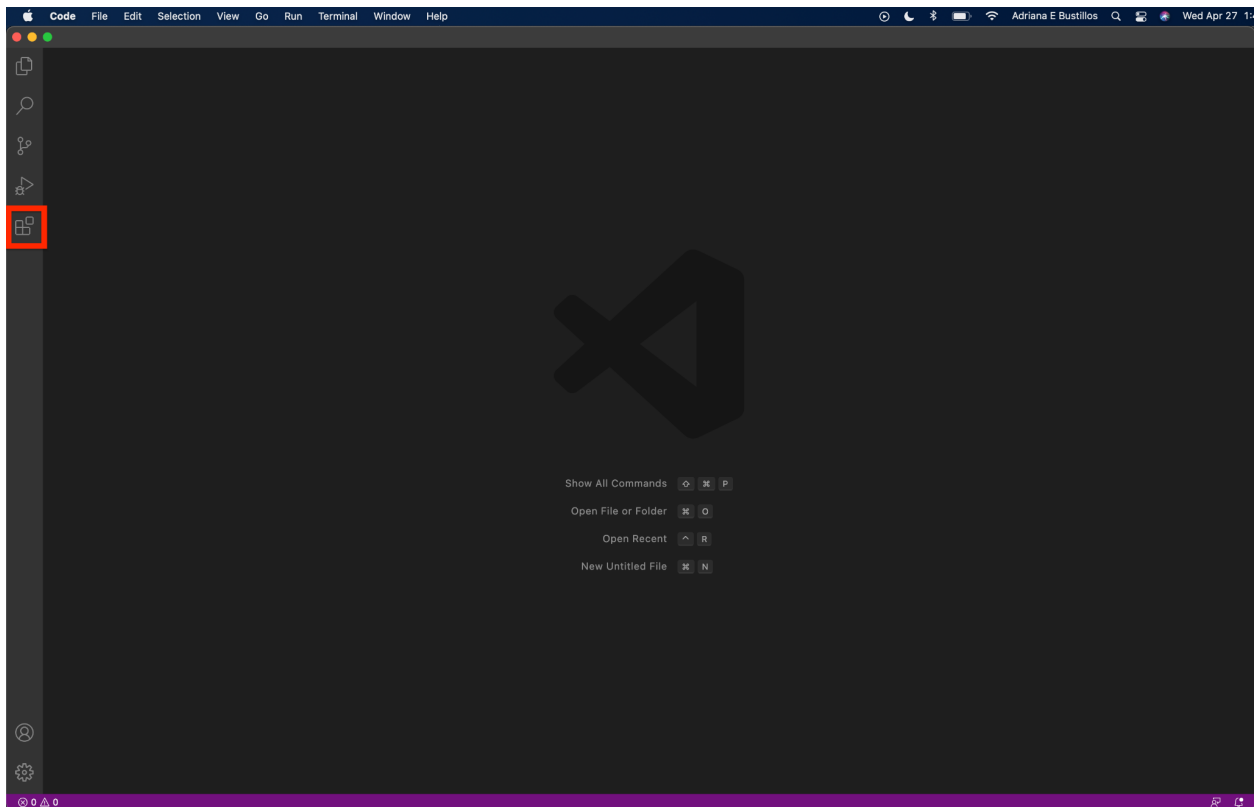How to Install Icarus Verilog:
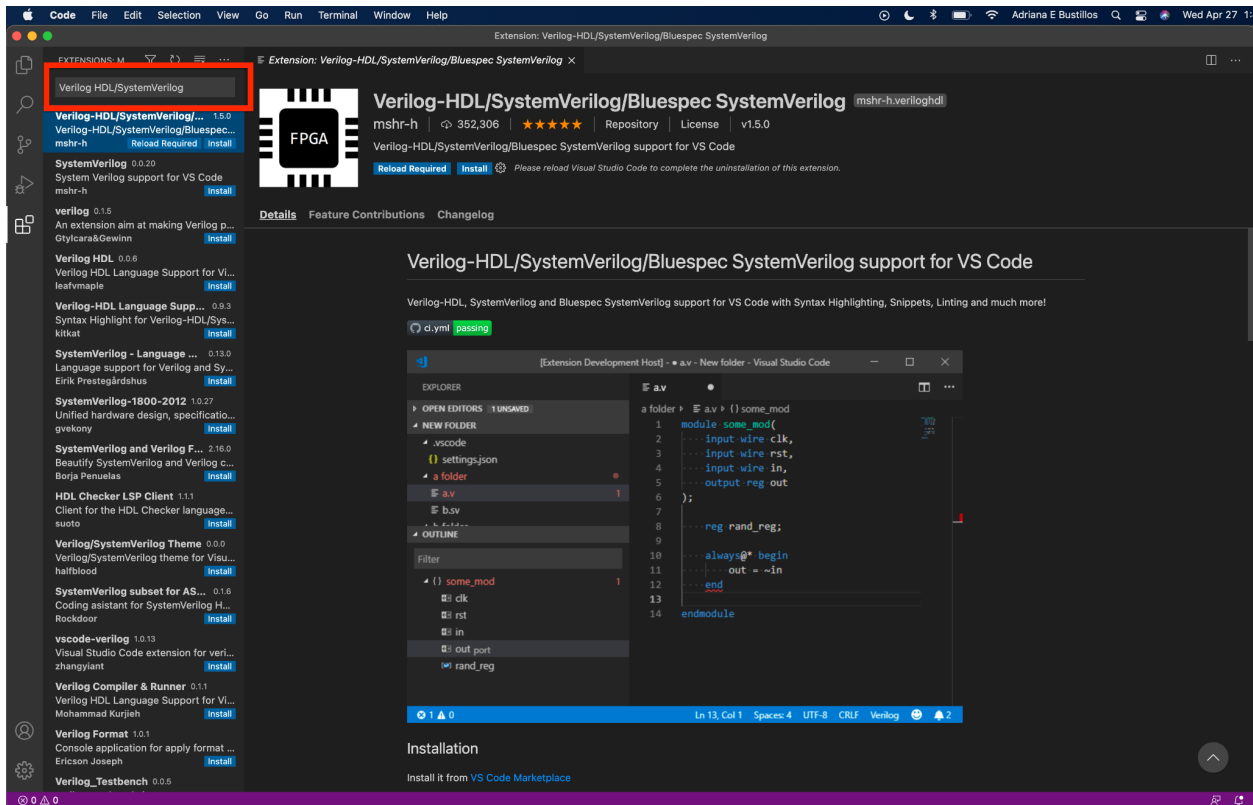1. Open OSX terminal
2. Enter command: ruby -e "$(curl -fsSL https://raw.githubusercontent.com/Homebrew/install/master/install)" < /dev/null 2> /dev/null
3. Enter command: brew install icarus-verilog

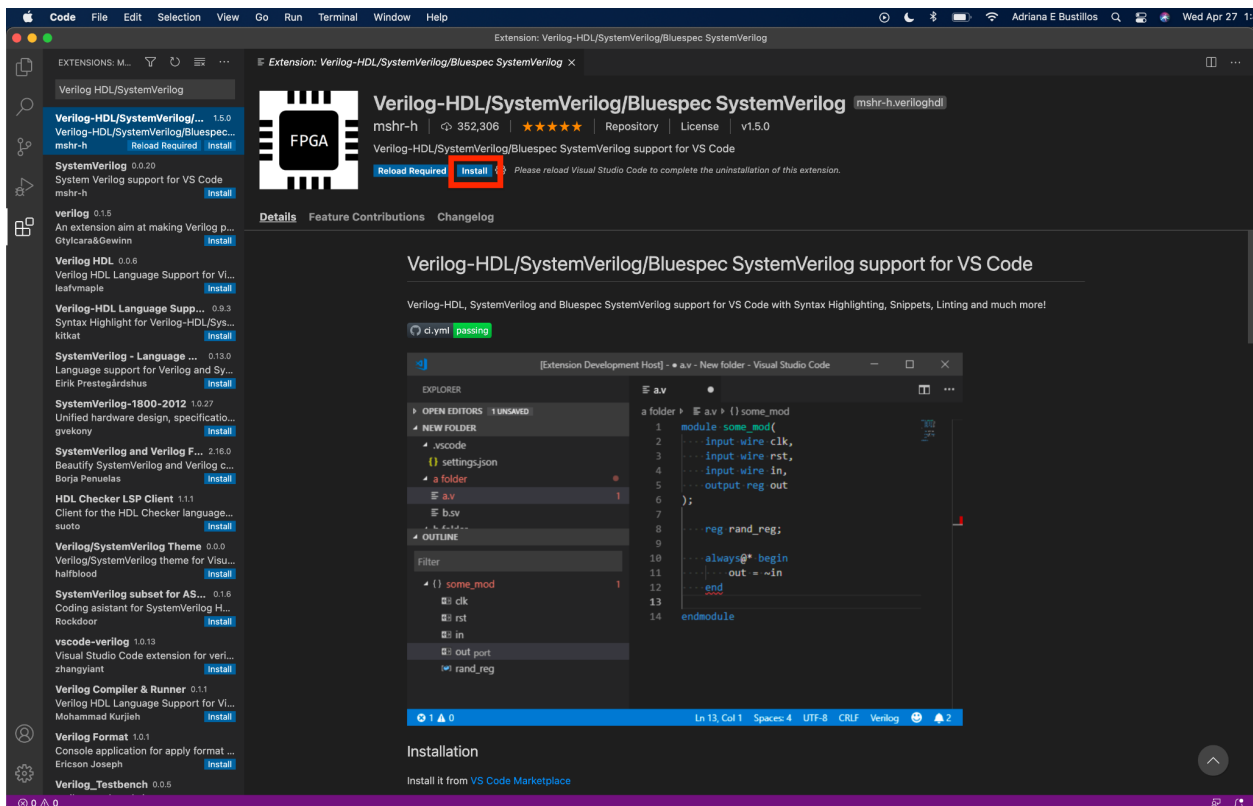How to Install Verilog Extension on Visual Studio Code:
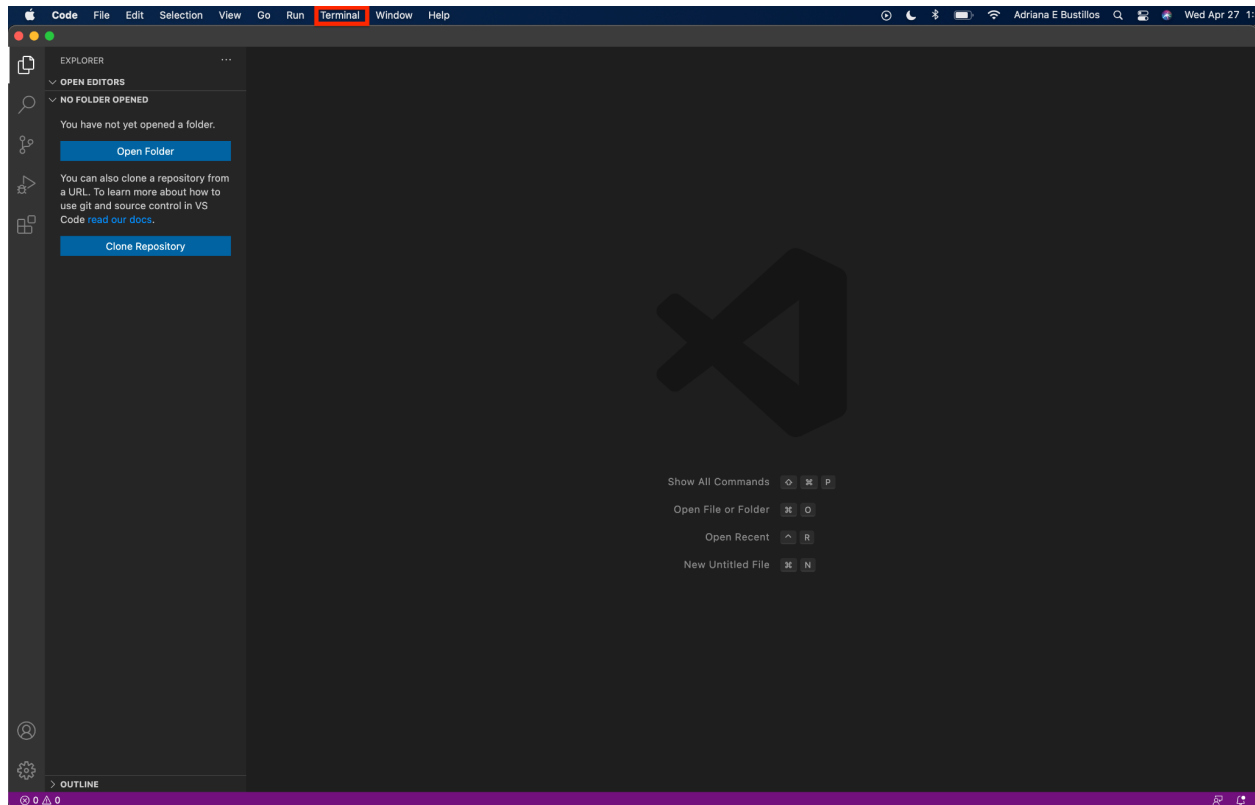1. Install and open Visual Studio Code
2. Open Extensions

3. Type: "Verilog HDL/SystemVerilog"

4. Click Install

5. Once installed click on terminal and select "New Terminal" from the drop down menu

6. Enter command: iverilog filename.v (where filename.v is a verilog program you would like to run)
7. Enter command: ./a.out (this is an executable and can be named using -o in the iverilog command)
8. The program will run and may look something like this:

```
(base) Adrianas-MacBook-Pro:Capstone abustillos7$ iverilog Basic_GPIO.v
(base) Adrianas-MacBook-Pro:Capstone abustillos7$ ./a.out
GPIO Pins: zzzzzzzzzzzzzz11, Read In: zzzzzzzzzzzzzz11
GPIO Pins: 0000000000000011, Read In: zzzzzzzzzzzzzz11
GPIO Pins: 0000000000000011, Read In: zzzzzzzzzzzzzz11
GPIO Pins: zzzzzzzzzzzzzz11, Read In: zzzzzzzzzzzzzz11
(base) Adrianas-MacBook-Pro:Capstone abustillos7$
```