

4. Github Intro

Github is known as a repository for cool programs that can be used in all sorts of ways on your Pi. In this lesson we will learn how to install programs from Github using the terminal.

First lets install a program that can do screen captures. Something that is handy when students have created something amazing in their Minecraft world.

Lets follow the instructions for taking screenshots provided by Martin O'Hanlon.

<http://www.stuffaboutcode.com/2016/03/raspberry-pi-take-screen-shot-of.html>

Here is a video going through the process.

Students will be really excited when they learn to download programs that can run within their Minecraft world. Lets go back to Martin's API tutorial and have students select one of the first three items, clock, cannon, or snake video game.

<http://www.stuffaboutcode.com/2013/04/minecraft-pi-edition-api-tutorial.html>

In each of these examples, there is a section of code that should be copied into the terminal. When enter is pressed on the keyboard, a bunch of code will appear and a new program file will be placed in the home directory on the Pi

Have students navigate to the file folder and open the file with the .py extension by right clicking on the file and selecting open with python 2 from the drop down menu. If the program is run while Minecraft is open it will place an exciting new feature in the Minecraft world. This will hopefully trigger a desire to try downloading other python programs to modify their Minecraft worlds.