

Código Boot Camps

Starting With Github and Git for a Windows Machine

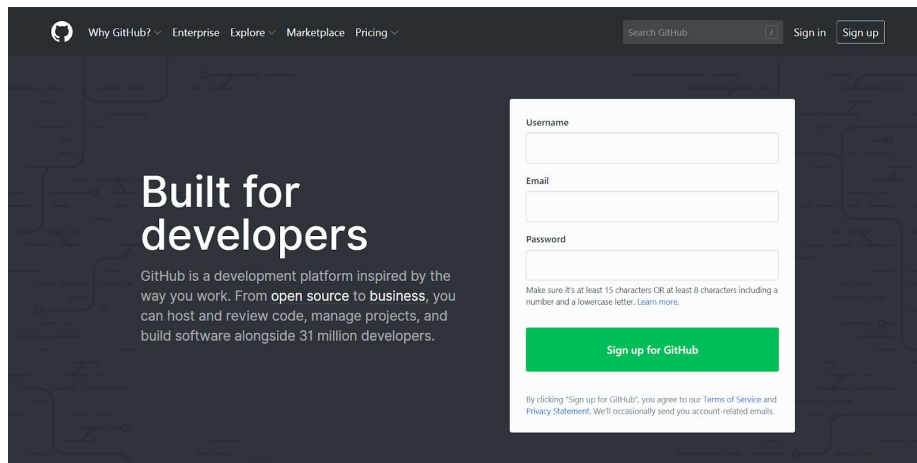
All of the materials used in our bootcamps will be found on [Github](#), you'll be able to download notes, jupyter notebooks, code, and data all onto your own laptop using [Git](#). It's okay if you don't know what those are yet, that's what this handout is for! We'll start off with getting you set up with a Github account.

Before The Boot Camp Starts

Getting A Github Account

You can skip this if you already have a github account.

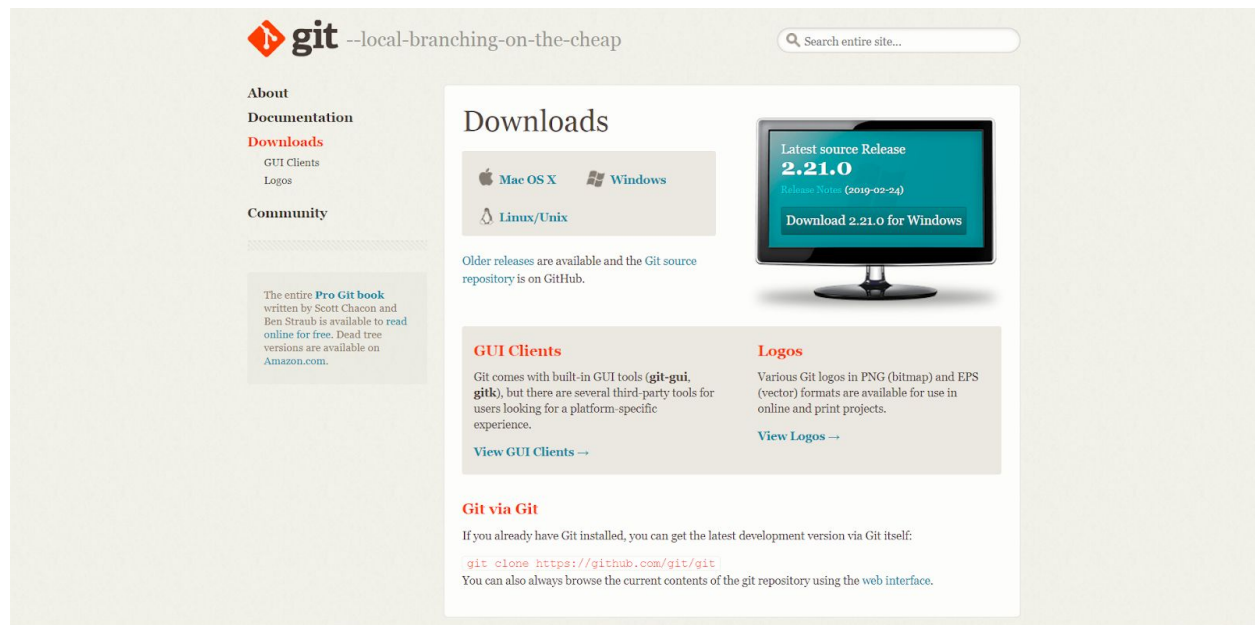
Click on the following link, www.github.com, you should see the following:

A screenshot of the GitHub website's sign-up page. The background is dark with a faint pattern of code. On the left, the text "Built for developers" is prominently displayed, followed by a description of GitHub as a development platform. On the right, there is a white sign-up form with fields for "Username", "Email", and "Password". Below the password field, there is a note about password requirements and a "Sign up for GitHub" button. At the top of the page, there is a navigation bar with links like "Why GitHub?", "Enterprise", "Explore", "Marketplace", and "Pricing", along with a search bar and "Sign in" / "Sign up" buttons.

Sign up with a username, your preferred email, and password. Follow along with the website's step by step instructions. When you're done you should see something like the following when you go to www.github.com:

Getting Git

Git will be how you get course notes, go to the following link, <https://git-scm.com/downloads>. You'll see this:

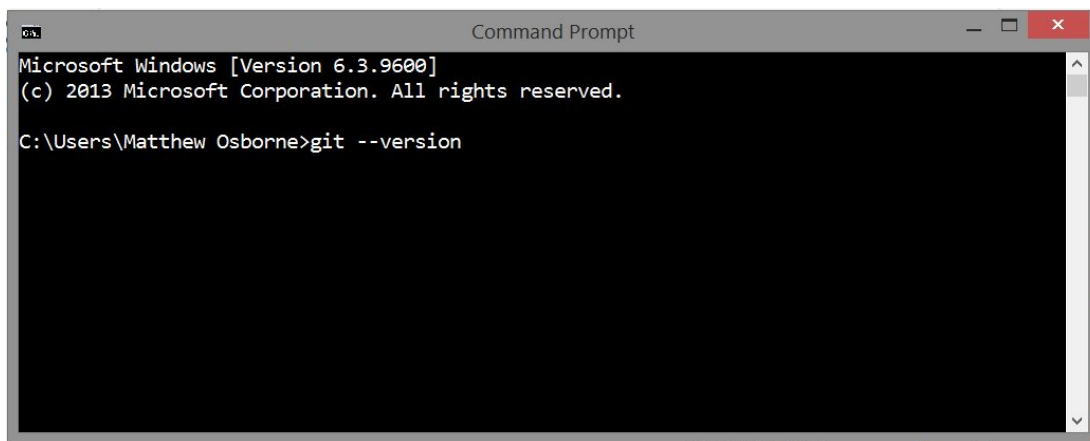


Click on the box that says Download, this will download an executable file to your laptop, once downloaded click on it, you should see this:



Click through Next, keeping the default settings until you get to this screen:

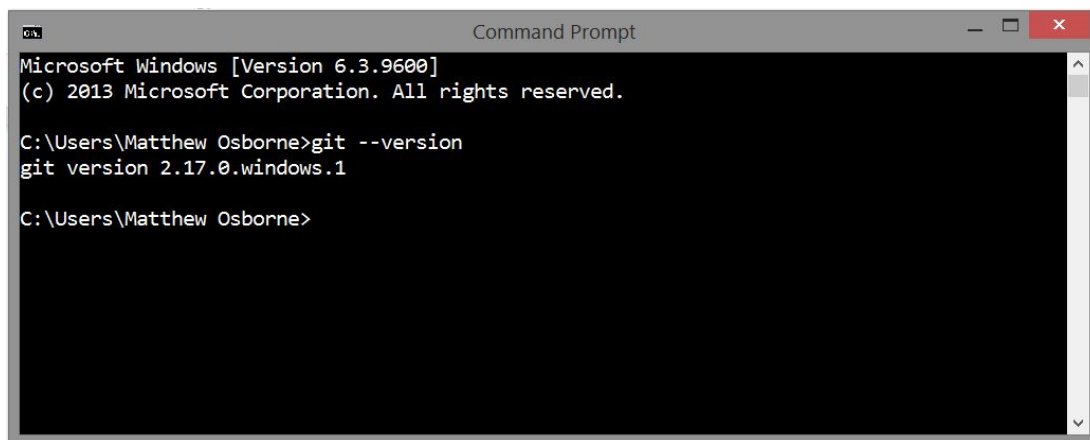
Click Install, This will install git onto your laptop. We'll check that it was properly installed now. Go to your command prompt and type `git --version` like so:



```
Microsoft Windows [Version 6.3.9600]
(c) 2013 Microsoft Corporation. All rights reserved.

C:\Users\Matthew Osborne>git --version
```

You should see the following if it is properly installed (note the version number will probably be different)



```
Microsoft Windows [Version 6.3.9600]
(c) 2013 Microsoft Corporation. All rights reserved.

C:\Users\Matthew Osborne>git --version
git version 2.17.0.windows.1

C:\Users\Matthew Osborne>
```

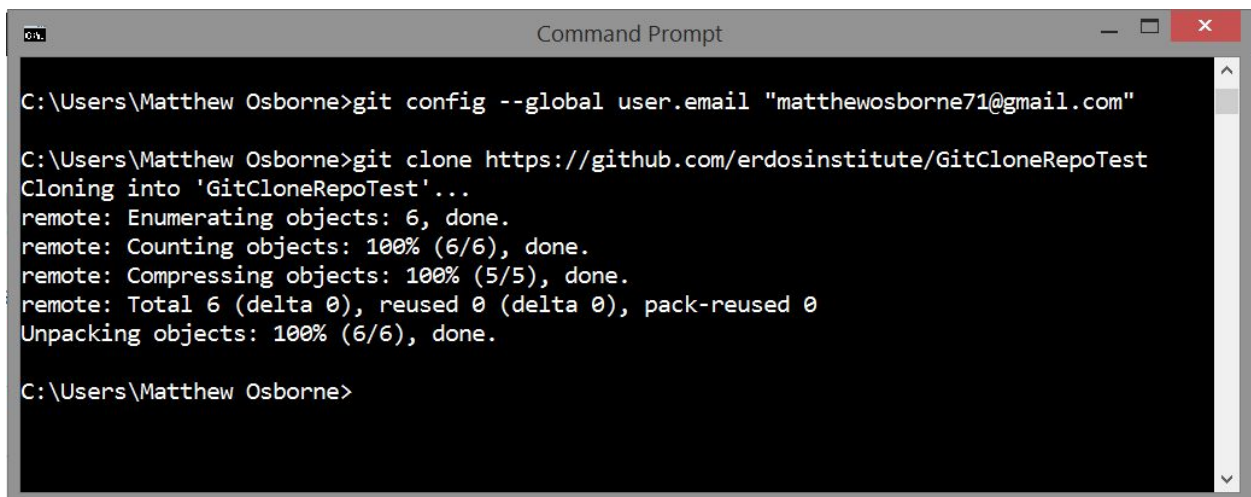
Cloning a Repository

The way you'll get course materials is by 'cloning' the instructor's repository. We'll practice this right now.

We're going to clone this repository <https://github.com/erdosinstitute/GitCloneRepoTest> into our laptops. Decide on a folder where you'd like to store this repository, a good default is just your Documents folder.

Go back to your Command Prompt and change the working directory to your preferred storage location using `cd`. Now type the following:

git clone https://github.com/erdosinstitute/GitCloneRepoTest and hit *Enter*

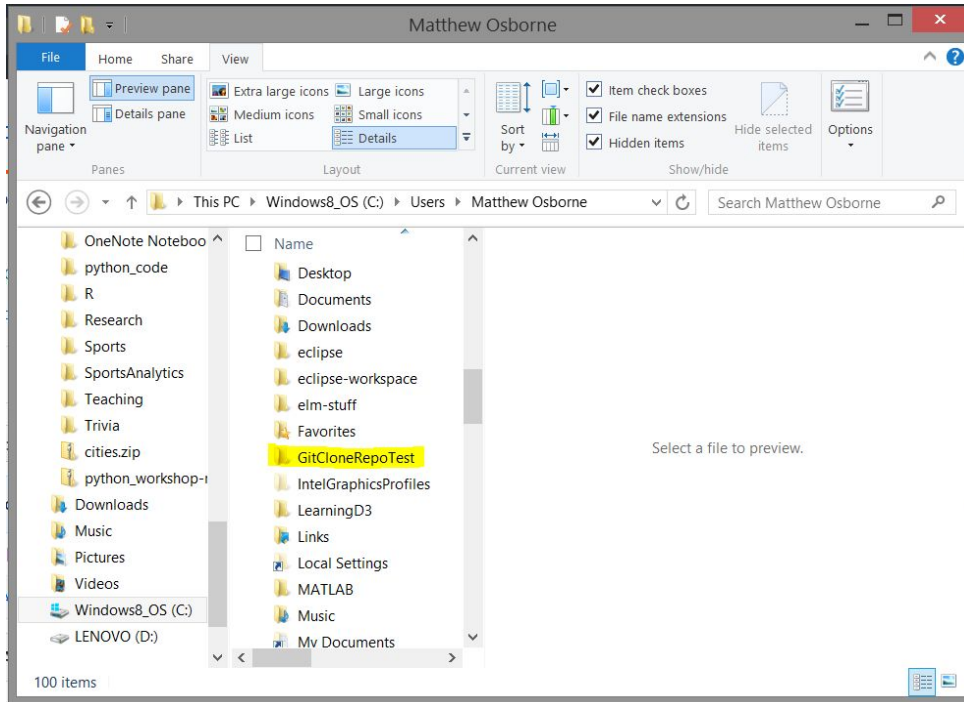
A screenshot of a Windows Command Prompt window titled "Command Prompt". The window shows the following text:

```
C:\Users\Matthew Osborne>git config --global user.email "matthewosborne71@gmail.com"

C:\Users\Matthew Osborne>git clone https://github.com/erdosinstitute/GitCloneRepoTest
Cloning into 'GitCloneRepoTest'...
remote: Enumerating objects: 6, done.
remote: Counting objects: 100% (6/6), done.
remote: Compressing objects: 100% (5/5), done.
remote: Total 6 (delta 0), reused 0 (delta 0), pack-reused 0
Unpacking objects: 100% (6/6), done.

C:\Users\Matthew Osborne>
```

Now check your the folder you cloned the repository in, you should see a new folder labeled 'GitCloneRepoTest', it's highlighted in mine.



Updating The Cloned Repository

As the boot camps progress instructors will update the course repositories. You'll want to be able to keep your notes current with the most recent version. In order to do that you'll need to follow these steps:

1. 'Stash' the changes you've made to your copy of the repository (Note: When you do this, any changes you have made will seem to disappear, if you want to make sure you keep the edits you've made create a separate folder on your laptop where you copy and paste class notes before stashing)

Type *git stash* and hit *Enter*

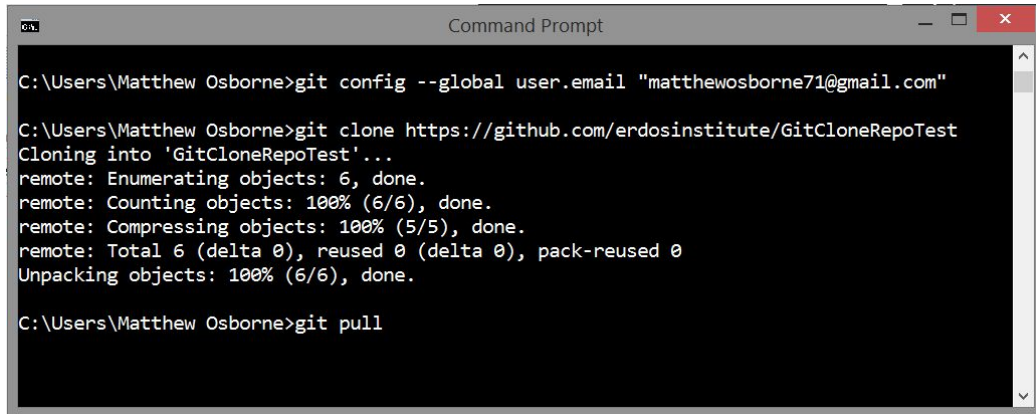
```
Command Prompt

C:\Users\Matthew Osborne>git config --global user.email "matthewosborne71@gmail.com"

C:\Users\Matthew Osborne>git clone https://github.com/erdosinstitute/GitCloneRepoTest
Cloning into 'GitCloneRepoTest'...
remote: Enumerating objects: 6, done.
remote: Counting objects: 100% (6/6), done.
remote: Compressing objects: 100% (5/5), done.
remote: Total 6 (delta 0), reused 0 (delta 0), pack-reused 0
Unpacking objects: 100% (6/6), done.

C:\Users\Matthew Osborne>git stash
```

2. 'Pull' the updates from the instructor's github repository onto your laptop. Type *git pull* and hit *Enter*

A screenshot of a Windows Command Prompt window. The title bar reads "Command Prompt". The command prompt shows the following sequence of commands and output:
C:\Users\Matthew Osborne>git config --global user.email "matthewosborne71@gmail.com"

C:\Users\Matthew Osborne>git clone https://github.com/erdosinstitute/GitCloneRepoTest
Cloning into 'GitCloneRepoTest'...
remote: Enumerating objects: 6, done.
remote: Counting objects: 100% (6/6), done.
remote: Compressing objects: 100% (5/5), done.
remote: Total 6 (delta 0), reused 0 (delta 0), pack-reused 0
Unpacking objects: 100% (6/6), done.

C:\Users\Matthew Osborne>git pull

This is just a starter. You'll need to know more about git and Github when it comes time for your group project. Watch the following youtube video series for a quick git introduction with the command prompt, <https://www.youtube.com/watch?v=DR7MLaAKcUk&list=PLfdiltiRHWFEbt9V04NrhmksLV4Pdf3j>

We know that this can all be a tad confusing. That's okay! Just learn it a little bit at a time throughout the boot camp so you're ready for the group project.

Have a great boot camp!