Getting Setup on GitHub!

Download IDE

A hackable text editor for the 21st Century
https://atom.io

Open the Regular Terminal

Command + Space Bar "Terminal"

Basic Terminal Commands

`mkdir` Make a Folder

`cd` Open a Folder

`touch` Make a file

Set up Mac for Development

How to install Xcode, Homebrew, Git, RVM, Ruby & Rails on Mac OS X (fro m Snow Leopard to Mojave) | Moncef Belyamani
https://www.moncefbelyamani.com/how-to-install-xcode-homebrew-git-rvm-ruby-on-mac/

Download Xcode Command Line Tools

```
sudo xcode-select --install
```

Download Homebrew

```
ruby -e "$(curl -fsSL
https://raw.githubusercontent.com/Homebrew/install/master/install )"
```

Homebrew
https://brew.sh

`brew doctor` - To make sure you installed correctly

Download Git

```
brew update
brew install git
```

`git --version` - To make sure it is installed correctly

Download Git

Build software better, together
https://github.com

Make An Account

Verify with Email

Create SSH Key & Add to GitHub

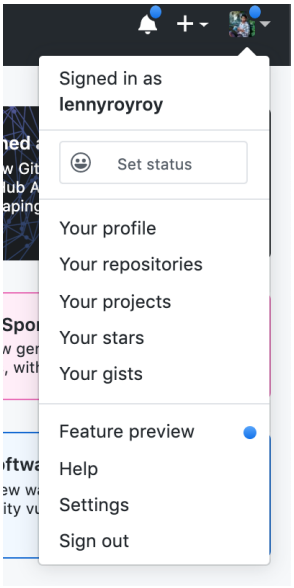
Manually generating your SSH key in macOS
https://docs.joyent.com/public-cloud/getting-started/ssh-keys/generating-an-ssh-key-manually/manually-generating-your-ssh-key-in-mac-os-x

```
ssh-keygen -t rsa
```

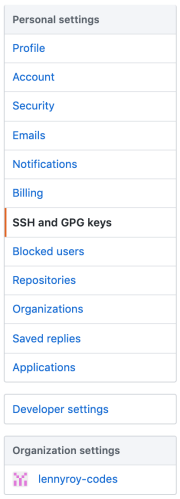
Hit enter a bunch

```
pbcopy < ~/.ssh/id_rsa.pub
```

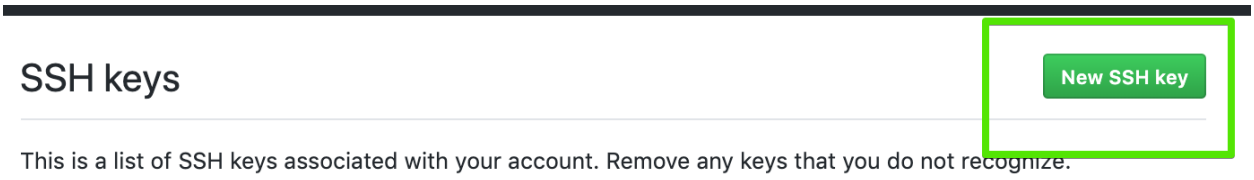
- Go to Settings



- Click SSH and GPG Keys



- Click on New SSH Key



- Name and press Paste!

Create a Local Project!

Open the Terminal | Command + Space Bar "Terminal"

navigate to the desktop `cd desktop`

Create a new folder on the desktop `mkdir first-project` and name it

cd into this new project `cd first-project`

Create a new file inside `touch readme.md`

Initialize a Project for Git

Start a new git repository
https://kbroman.org/github_tutorial/pages/init.html

Open up your project `cd desktop/first-project` in the terminal

type `git init`

type `git status`

Basic Git Commands and Background

Git is version control, it allows us to save our code in a safe place, and we can collaborate with other coders on the same project.

Version control is important so we can see what changes have been made, and when is was done, and by who.

This helps when things go wrong and we have to go back and save our project

GitHub also is a social network, that allows us to share our code with friends and employers

GitHub can also host our sites for free!

Think of Git, as the technology that SUPER SAVES our work, and gives us hints of our projects history when things go wrong.

GitHub is just the website that holds the code for us.

Using Git

Open up your code editor

Drag your folder from your desktop into a blank window on your edittor

click on the `readme.md` file

type in `Hello World!`

Open up your terminal

open up your project in the terminal

type `git status`

We will see all our recent UNSAVED or UNSTAGED code

make sure thats what you want to save

type `git add` with the name of the file

in this case it will be `readme.md`

again, type `git status`

Now you will confirm that you ADDED or STAGED the right files

now we can save

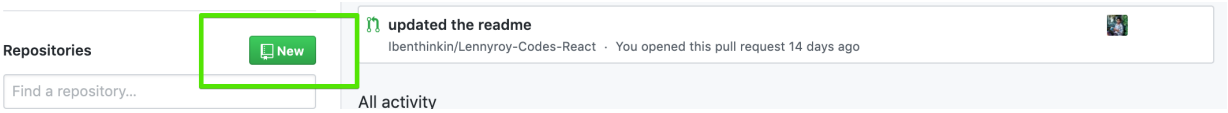
type `git commit -m`

after the `-m` we need a message, a reason why you are SAVING or COMMITTING

so `git commit -m "my first commit"`

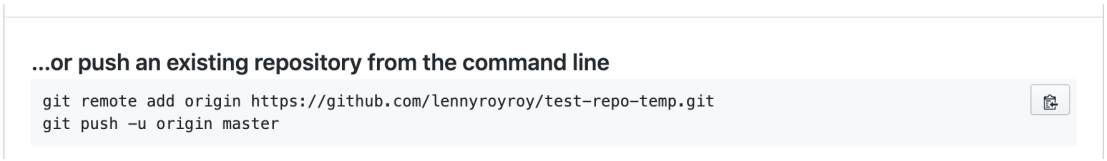
Using GitHub

Create a new Repository



Name and create the repo

then:



Do this in the terminal!

YOU HAVE COMPLETED THE GITHUB CLASS, WHEW