

**Getting Started** 

Download Git Bash Windows users:

https://git-scm.com/downloads



### Make a GitHub Account

Awesome Free Stuff: https://education.github.com/pack



#### Assumed Knowledge

shell commands

cd \_\_\_\_ (change directory)

Is (list everything in the directory)

terminology

repo: short for repository.





## **Topics Being Covered**

- 1. Creating a repository
- 2. Explaining the git commands used
- 3. Adding a .gitignore file
- 4. Branching in git
- 5. Merging branches in git
- 6. Common tips and tricks



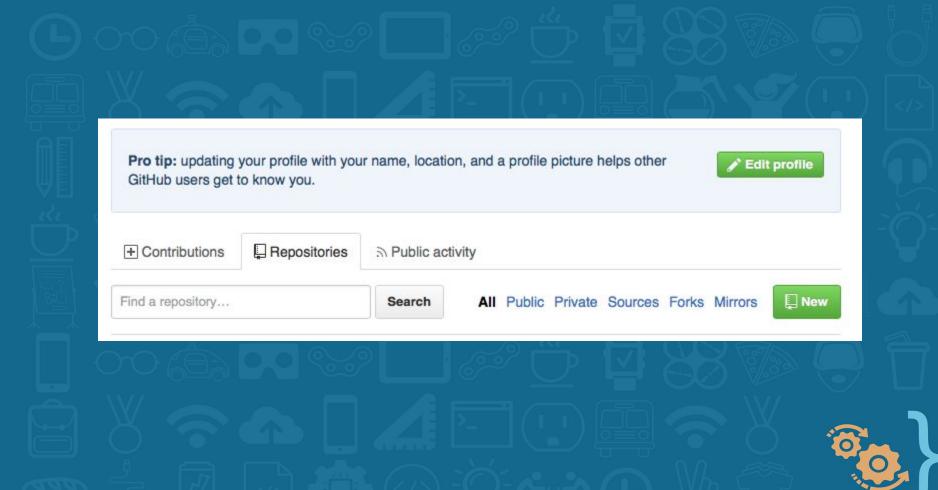


git config --global user.name "YOUR NAME"

git config --global user.email "YOUR EMAIL ADDRESS"





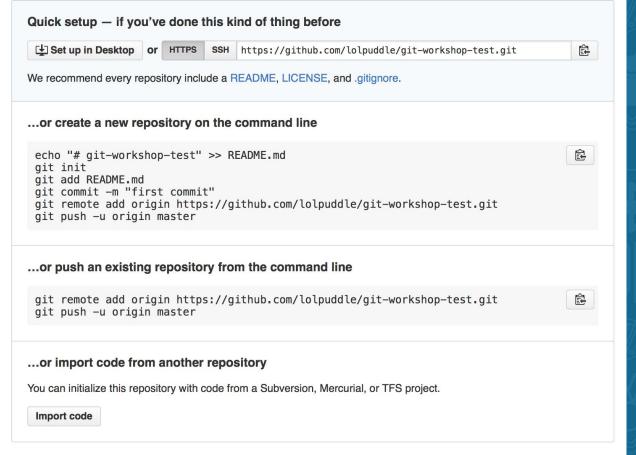


#### Create a new repository

A repository contains all the files for your project, including the revision history.

	Repository name
lolpuddle +	/ git-workshop-test
Freat repository names are short and memorable. Need inspiration? How about turbulent-octo-giggle.	
escription (optional)	
Public Anyone can see this repository. You choose who can commit.  Private You choose who can see and commit to this repository.	
The second second second	who can see and commit to this repository.
You choose	who can see and commit to this repository.  pository with a README  mediately clone the repository to your computer. Skip this step if you're importing an existing repository.





ProTip! Use the URL for this page when adding GitHub as a remote.





### Steps Involved

- 1. Go to the directory you wish to create the repository from.
- 2. "git init"
- 3. Add a file to the directory if it is empty (Preferably a README.md)
- 4. "git status"
- 5. "git add \_\_\_\_ (name of files)" or "git add ." to add all files
- 6. "git commit -m "first commit""
- 7. "git remote add origin \_\_\_\_\_ (link to your repo)"
- 8. "git push -u origin master"



### README.md

File is automatically read and used on the page of your repository.

Good example of a README.md https://github.com/robbyrussell/oh-my-zsh/





### git status

compares the state of the machine's current data with the data from the last time it was pulled



git add

Selecting and "adding" files you wish to make changes to



### git commit -m "whatever"

\*Include the quotes

taking a "snapshot" of the information on your machine and associating a "message" with this snapshot.

If changes have been made to a file, they must be added before committed.



# git push

uploading the "snapshot" you created to the repository



# git pull

Downloading the data stored on the repository



# git clone "whatever url"

Creating a copy of the repository from nothing



# git checkout "file or branch"

do not include quotes

Used to say "I don't want the changes I made"

or

Used to switch branches



git branch "name of branch"

Creating a new branch in git



### List of commands covered

```
git init
git status
git add
git commit -m "some message"
git push
git pull
git clone "some url" (no quotes)
git checkout "some file or some branch" (no quotes)
git branch "name of new branch" (no quotes)
git merge
```



### Adding a .gitignore file

common .gitignore contents https://github.com/github/gitignore





### To create a branch

type

"git branch "some\_name" (no quotes)"



### Working on a new branch

git checkout "branch name" (no quotes)

do whatever you want

git commit -m "whatever"

git checkout master

git merge (name of branch you want to merge)







## Getting a clean pull

git fetch --all

git reset --hard origin/master

# Getting a clean pull of a branch

git reset --hard origin/"name of branch" (no quotes)



### Going back in time to a previous commit

git checkout "branch id" (no quotes)

or

git reset "branch id" (no quotes)



