

git & github

trevor strieber

who am i?

ARMSTRONG GRADUATE

SOFTWARE DEVELOPER

@

ATLANTIC

TELE-NETWORK

**what is git?**

git

is a  
source code  
management

SYSTEM

git

keeps track of changes

IN YOUR CODE

git

works **FAST**

git

makes it easier to work

AS A TEAM









github

is a place to store your

CODE

github

IS

COLLABORATION

github

IS

COLLABORATION

DISTRIBUTION

github

IS

COLLABORATION

DISTRIBUTION

DISCUSSION

github

is a

github

is a  
social network



github

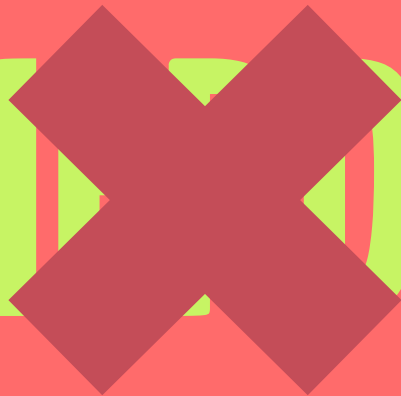
is a  
social network

for NERDS

github

is a  
social network

for NERDS



github

is a

social network

for DEVELOPERS

HOW DOES IT

WORK?

# installation

WINDOWS

MSYSGIT

<http://msysgit.github.io/>

# installation

OSX

GIT

already installed

installation

OSX

**WANT NEWER GIT?**

check out homebrew

<http://brew.sh/>

installation

LINUX

USE YOUR  
package manager



installation

LINUX

Ubuntu / Mint

apt-get

installation

LINUX

CentOS / Fedora

yum

**CREATING**

**A REPOSITORY**

# git init

```
[trevor:~/sweet_app]$ git init
```

```
Initialized empty Git repository in /home/trevor/sweet_app/.git/
```

**NOW WHAT?**

**NOW WHAT?**

**do work**

# edit files

```
[trevor:~/sweet_app]$ vim hello_world.rb
```

# git status

```
[trevor:~/sweet_app]$ git status
# On branch master
#
# Initial commit
#
# Untracked files:
#   (use "git add <file>..." to include in what will be committed)
#
#       hello_world.rb
```



**TRACKING**  
**new files**

# git add

```
[trevor:~/sweet_app]$ git add hello_world.rb
```

HOW ARE WE  
looking?

# git status

```
[trevor:~/sweet_app]$ git status
# On branch master
#
# Initial commit
#
# Changes to be committed:
#   (use "git rm --cached <file>..." to unstage
#
#       new file:   hello_world.rb
```

**WHAT IS A  
commit?**

# COMMIT:

a snapshot of your code

# git commit

```
[trevor:~/sweet_app]$ git commit -m 'Initial commit!'  
[master (root-commit) f888f95] Initial commit!  
1 files changed, 2 insertions(+), 0 deletions(-)  
create mode 100644 hello_world.rb
```

# CLEAN:

no unsaved changes

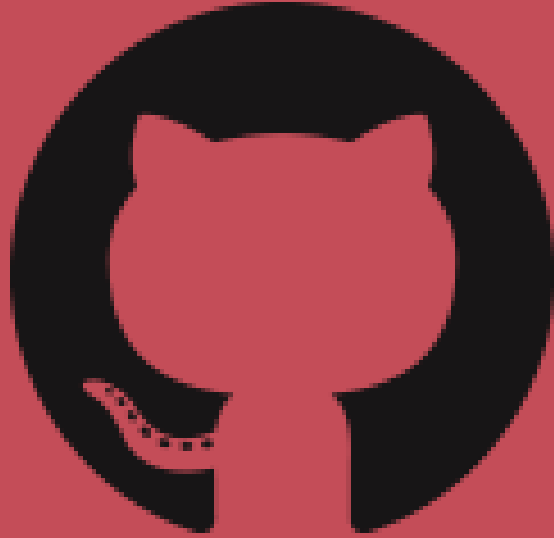



# git status

```
[trevor:~/sweet_app]$ git status  
# On branch master  
Nothing to commit (working directory clean)
```





**SHARING**


**code**





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Pull Requests


Issues


Stars



 24 minutes ago


 **dparis** opened issue **overtone/emacs-live#141**  
Update bundled nrepl.el to 0.2.0 release



 purcell forked for-GET/know-your-http-well to purcell/know-your-http-well 14 hours ago


 tavisrudd starred fredericksgary/currj 20 hours ago



 a day ago

 **benzitohhh** pushed to **master** at **benzitohhh/live-packs**  
 32a51db added js and js2 indent level






 a day ago

 **benzitohhh** pushed to **master** at **benzitohhh/live-packs**  
 27ae8ae json with js-mode, js with js2-mode

 2 days ago

 **emur51** commented on commit **emur51/raw-record-to-ariss@128379d0d1**  
 Good find. I'll take a look at it.


Repositories you contribute to


 <b>ATNI/raw-record-search-java</b>	0 ★
 <b>ATNI/raw-record-search-rails</b>	0 ★
 <b>ATNI/call-traffic-analysis</b>	0 ★
 <b>ATNI/zte-cdma-split</b>	0 ★
 <b>ATNI/vimpire</b>	0 ★


Your repositories (31) New repository


Find a Repository...

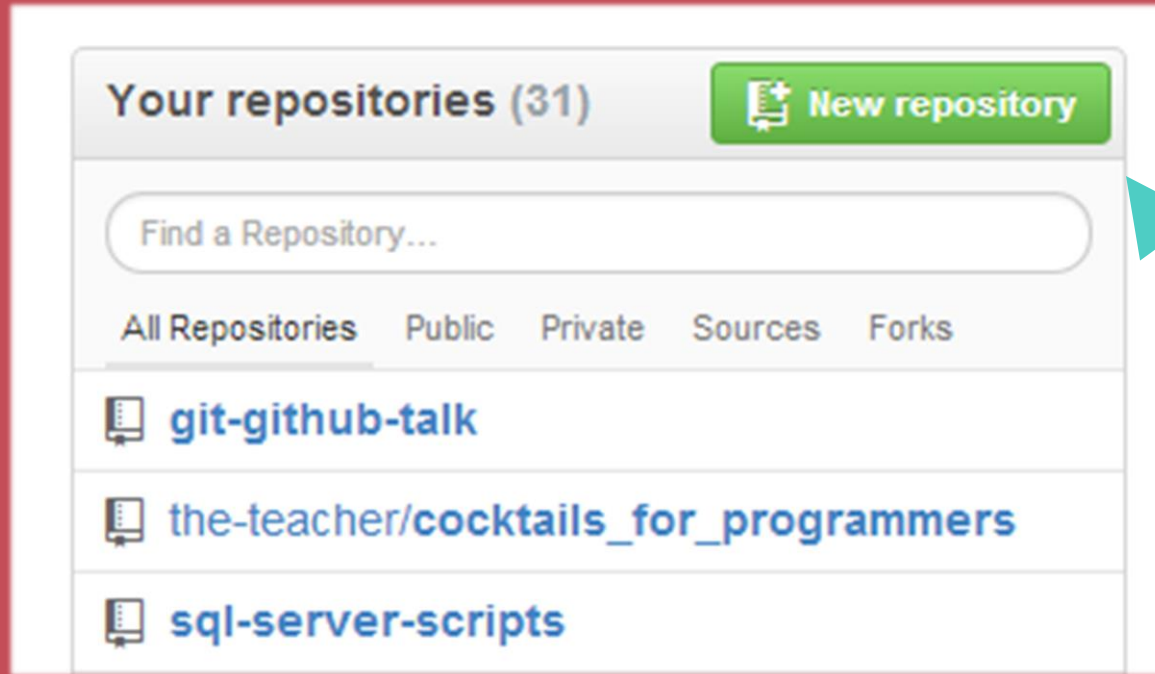
All Repositories Public Private Sources Forks

 **git-github-talk**

 **the-teacher/cocktails\_for\_programmers**

 **sql-server-scripts**


 **cocktails\_for\_programmers**



create a repository

# pick a name

Owner Repository name

PUBLIC  TrevorS / sweet\_app ✓

Great repository names are short and memorable. Need inspiration? How about [spawn camping-shame](#).

Description (optional)

The next Facebook.

# get the URL

Push an existing repository from the command line

```
git remote add origin https://github.com/TrevorS/sweet_app.git
git push -u origin master
```

connect the.  
repositories

# git remote

```
[trevor:~/sweet_app]$ git remote add origin \  
https://github.com/TrevorS/sweet_app.git
```


upload your  
changes







# git push

```
[trevor:~/sweet_app]$ git push -u origin master
Username for 'https://github.com': TrevorS
Password for 'https://TrevorS@github.com':
Counting objects 3, done.
Writing objects: 100% (3/3), 258 bytes, done.
Total 3 (delta 0), reused 0 (delta 0)
To https://github.com/TrevorS/sweet_app.git
 * [new branch]      master -> master
Branch master set up to track remote branch master from origin.
```



# ADMIRE

PUBLIC  TrevorS / sweet\_app Unwatch ▾ 1



The next Facebook. — Edit


 1 commit    1 branch    0 releases    1 contributor

---

 branch: master ▾ [sweet\\_app](#) / 

Initial commit!

 TrevorS authored 4 hours ago latest commit f888f95c9b 

 [hello\\_world.rb](#) Initial commit! 4 hours ago

# YOUR RESULTS

**these are the basics**

these are the basics  
**LEARN MORE**

these are the basics

**LEARN MORE**

**SHOW OFF**