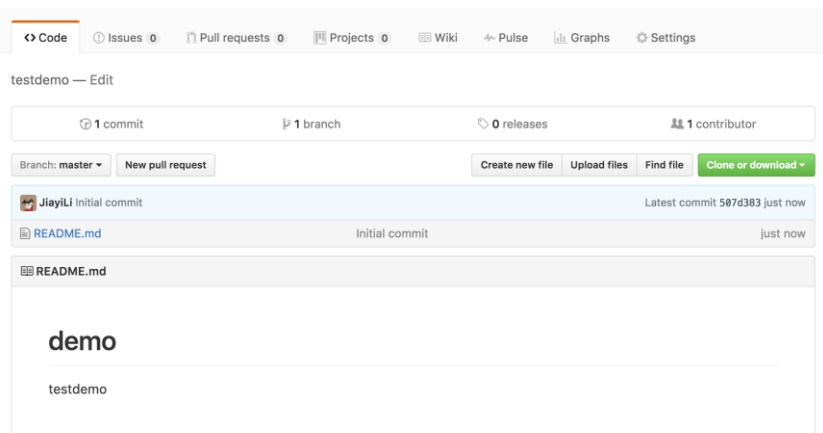


微信小程序基础：如何使用 **Git** 上传本地项目到 **github**?(mac 版)

在此假设你已经在 github 上创建好了一个项目，像这样：



并且你已经完成了自己的项目代码，

同时你也已经安装了 git，然后 let's start.

首先，建一个文件夹比如文中演示的是 微信小程序 文件夹，然后打开你的终端，定位到该文件夹，



然后输入命令: git init

```
微信小程序 — -bash — 81x25
~/githubProject/微信小程序 — -bash
localhost:微信小程序 lijiayi$ git init
Reinitialized existing Git repository in /Users/lijiayi/githubProject/微信小程序/.git/
localhost:微信小程序 lijiayi$
```

然后配置 ssh，输入：ssh-keygen -t rsa -C "jiayi_li10@163.com" (邮箱替换成你登录 github 的邮箱)

```
localhost:微信小程序 lijiayi$ ssh-keygen -t rsa -C "jiayi_li10@youremail.com"
Generating public/private rsa key pair.
Enter file in which to save the key (/Users/lijiayi/.ssh/id_rsa):
```

这个地方请注意，它会在你选择的路径下生成 ssh key，如果你直接点击回车，会在默认路径下创建 ssh。如果你有

多个项目，有工作的，有自己玩的，那么请配置不同的路径，或者一个路径换个文件名，我就用：

/Users/lijiayi/.ssh/id_test_rsa 作为演示。输入路径之后点击回车。

```
localhost:微信小程序 lijiayi$ ssh-keygen -t rsa -C "jiayi_li10@youremail.com"
Generating public/private rsa key pair.
Enter file in which to save the key (/Users/lijiayi/.ssh/id_rsa): /Users/lijiayi/.ssh/id_test_rsa
Enter passphrase (empty for no passphrase):
```

这个地方是要你输入密码，直接回车则是不设置密码。直接回车就可以。然后会让你重复密码，也是直接回车。

```

localhost:微信小程序 lijiaiyi$ ssh-keygen -t rsa -C "jiayi_li10@youremail.com"
Generating public/private rsa key pair.
Enter file in which to save the key (/Users/lijiayi/.ssh/id_rsa): /Users/lijiayi/
.ssh/id_test_rsa
Enter passphrase (empty for no passphrase):
Enter same passphrase again:
Your identification has been saved in /Users/lijiayi/.ssh/id_test_rsa.
Your public key has been saved in /Users/lijiayi/.ssh/id_test_rsa.pub.
The key fingerprint is:
SHA256:61t30Wjl4rDz6Kr0S4amNBffdVGYC41yy1910FcST5g jiayi_li10@youremail.com
The key's randomart image is:
+---[RSA 2048]-----+
|      o o+=+|
|      . + +.E++|
|      + o.. +o|
|      o ... |
|      . S .....|
|      + . o ..+ .|
|    o + + o o = =|
|    . = + . ..B o .|
|    . . =o+++oo|
+---[SHA256]-----+
localhost:微信小程序 lijiaiyi$

```

当你出现如图所示，就代表 ssh 已经生成了。

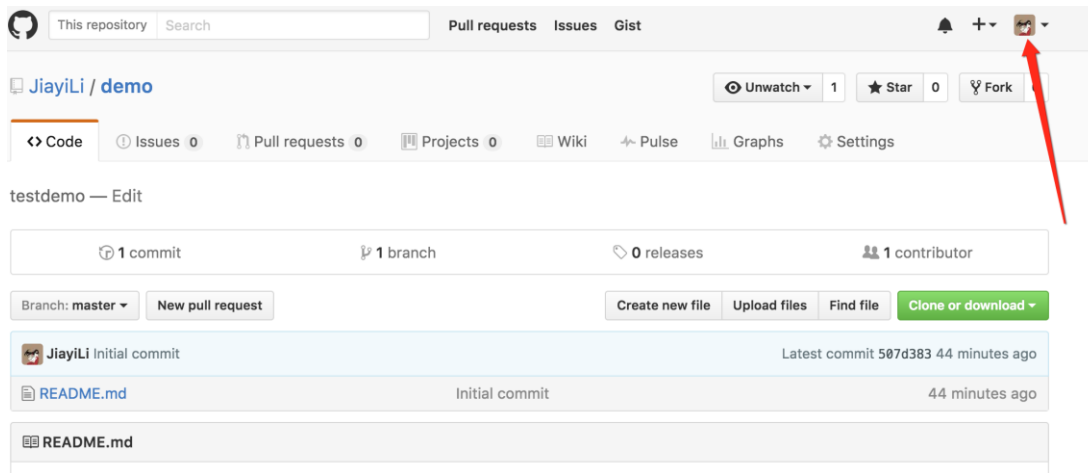
这个执行命令：`pbcopy < ~/.ssh/id_test_rsa.pub` 这个的作用是将你的 ssh 代码复制到剪贴板。

```

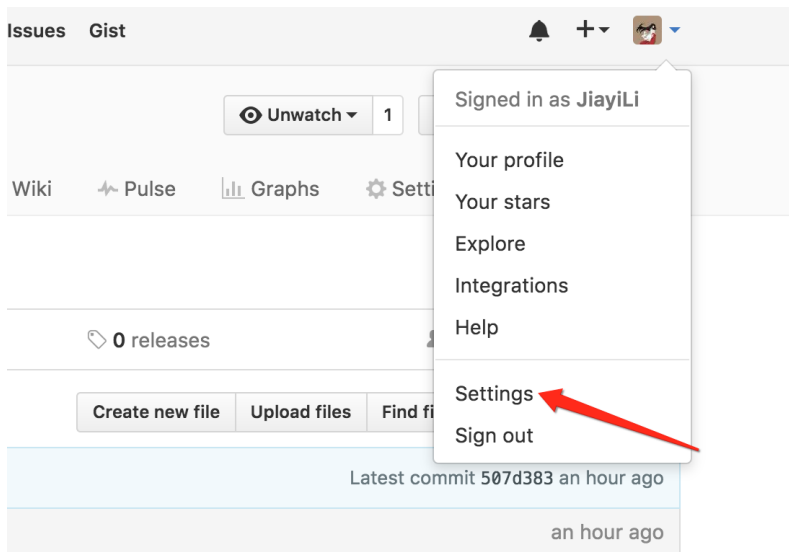
|    o + + o o = =|
|    . = + . ..B o .|
|    . . =o+++oo|
+---[SHA256]-----+
localhost:微信小程序 lijiaiyi$ pbcopy < ~/.ssh/id_rsa_oschina.pub
localhost:微信小程序 lijiaiyi$

```

现在，咱们在重新回到 github 页面，需要将刚才生成的 ssh 配置到 github 里。点击你的呆萌头像：



然后点击 settings 设置：



点击配置 ssh：

Personal settings

Profile

Account

Emails

Notifications

Billing

SSH and GPG keys

Security

Blocked users

Repositories

Organizations


Saved replies

Authorized applications

Installed integrations

Public profile

Profile picture



Upload new picture

You can also drag and drop a picture

Name

jiayi Li

Public email

jiayi_li10@163.com

You can add or remove verified email addresses in

Bio

Tell a little about yourself

You can @mention other users and organizations to

URL

点击新建 New SSH key

SSH keys

New SSH key

This is a list of SSH keys associated with your account. Remove any keys that you do not recognize.

GitHub Desktop

chariot PC

直接 `Ctrl + v` 将刚才你已经复制在剪贴板里的 `ssh` 复制到 `key input` 里面 , `title` 你随意起喽。然后点击 `Add SSH key`.

Title

test

Key

```
ssh-rsa
AAAAB3NzaC1yc2EAAAADAQABAAQADHWVWW4Qzevl00QCJOb2CXm5nUFhnWZZyBAwArgJzH6RX
5k+FyxczXJo/8v2GrWo37MXyz9+tEIS6itae6amWzSPHHEAv9wIPT7nkHKR3tgBl+Gf9zP376tEaPoK1pidN
eUu+w1kvbG820QD0b4pPxsCTJKVHMBNqYSQJfkXpdbEA9Rd/H3ZiTE506JdHHsfSFJVkyd/yJil10qlkwR
eMmU4wP5Qb/08/vJiyDnlCaigGadacpKCapTai5MuSgvcSs3 jiaiy_li10@163.com
```

Add SSH key

现在，咱们再打开终端，验证一下是否添加 ssh 成功了，输入命令：`ssh -T git@github.com`

```
[localhost:微信小程序 lijiaiyi$ ssh -T git@github.com
Hi JiayiLi! You've successfully authenticated, but GitHub does not provide shell
access.
localhost:微信小程序 lijiaiyi$
```

出现如上图句子，你就起来跳个舞。倘若是类似如下的句子：

```
The authenticity of host 'git.net (116.211.167.152)' can't be established.ECDSA key fingerprint is
SHA256:FQGC9Kn/eye1W8icdBgrQp+KkGYoFgbVr17bmjey0Wc.Are you sure you want to continue
connecting (yes/no)? yesWarning: Permanently added 'git.oschina.net,116.211.167.152' (ECDSA) to the list of
known hosts.Permission denied (publickey).
```

或者 permission denied,你就再执行命令：`ssh-add ~/.ssh/id_test_rsa`

再次输入 `ssh -T git@github.com` 如果提示成功了，咱们就继续，如果没有成功，你就 google 一下报的什么错误。

```
[localhost:微信小程序 lijiaiyi$ ssh -T git@github.com
Permission denied (publickey).
[localhost:微信小程序 lijiaiyi$ ssh-add ~/.ssh/id_test_rsa
Identity added: /Users/lijiayi/.ssh/id_test_rsa (/Users/lijiayi/.ssh/id_test_rsa)
[localhost:微信小程序 lijiaiyi$ ssh -T git@github.com
Hi JiayiLi! You've successfully authenticated, but GitHub does not provide shell
access.
[localhost:微信小程序 lijiaiyi$
```

当你 successfully 之后，咱们就在 `git config` 里设置一下你的 github 登录名以及登陆邮箱，执行以下两个命令：

`git config --global user.name "your name"`

`git config --global user.email "your_email@youremail.com"`

```
[localhost:微信小程序 lijiaiyi$ ssh -T git@github.com
Hi JiayiLi! You've successfully authenticated, but GitHub does not provide shell
access.
[localhost:微信小程序 lijiaiyi$ git config --global user.name "JiayiLi"
[localhost:微信小程序 lijiaiyi$ git config --global user.email "jiayi_li10@163.com"
[localhost:微信小程序 lijiaiyi$
[localhost:微信小程序 lijiaiyi$
```

现在咱们就可以上传代码啦！！

将你的项目代码拉到这个文件夹，执行命令，`git status`

```
localhost:微信小程序 lijiaiyi$ git status
On branch master

Initial commit

Untracked files:
  (use "git add <file>..." to include in what will be committed)

    test.html

nothing added to commit but untracked files present (use "git add" to track)
localhost:微信小程序 lijiaiyi$
```

这个时候你就会看到所有的改动，然后执行 `git add .` （有个点哦，这个点表示更改所有的改动）

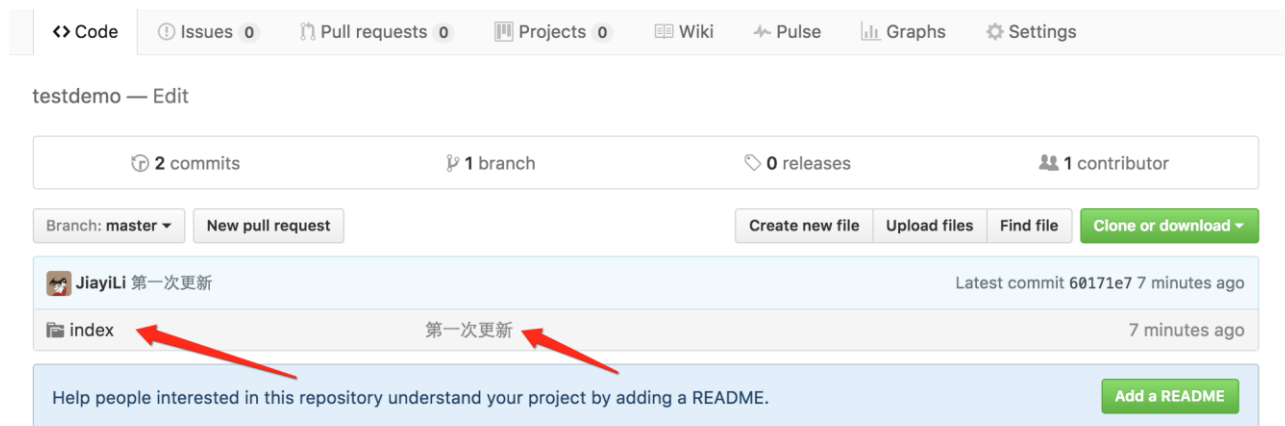
then 执行命令 `git commit -m "第一次更新"`

```
localhost:微信小程序 lijiaiyi$ git add .
localhost:微信小程序 lijiaiyi$ git commit -m "第一次更新"
[master (root-commit) f30104f] 第一次更新
 1 file changed, 0 insertions(+), 0 deletions(-)
 create mode 100644 test.html
localhost:微信小程序 lijiaiyi$
```

然后执行命令：`git remote add github https://github.com/你的用户名/github 项目名.git`

最后执行命令：`git push -f github`（这里的 `github` 是你创建的远程分支）

现在 回到你的 github 页面，然后刷新该项目页，哇色，这是什么



去跳舞吧~

一些有可能遇到的问题以及参考网站：

* mac 多个 git 账户配置：<http://www.jianshu.com/p/fbbf6efb50ba>

* cannot push to github ,keeps saying need merge:

<http://stackoverflow.com/questions/10298291/cannot-push-to-github-keeps-saying-need-merge>

* 删除 github 远程分支：<https://my.oschina.net/tsingxu/blog/84601>