

Git 环境准备

Checklist:

- ✧ 本地准备 shell(命令行) 工具
- ✧ 创建 github 账号
- ✧ 在 github 上创建一个 repo
- ✧ 在 shell(命令行)中配置 github
- ✧ 配置 SSH key
- ✧ Git clone repo • •

一、本地准备 shell(命令行) 工具

下载 [Github](#) windows 客户端。安装后得到下面两个快捷方式：



其中 GitHub(蓝色图标)为 windows 的图形界面操作，Git Shell 为命令行操作界面(本文以 Git Shell 为例搭建)。

二、创建 github 账号

打开[链接](#)，创建 github 的账号

Join GitHub

Create your account

Username *

Email address *

Password *

Make sure it's **at least 15 characters** OR **at least 8 characters including a number and a lowercase letter**. [Learn more](#).


Email preferences

☐ Send me occasional product updates, announcements, and offers.

Verify your account

Please solve this puzzle so we know you are a real person

Verify



Create account

By creating an account, you agree to the [Terms of Service](#). For more information about GitHub's privacy practices, see the [GitHub Privacy Statement](#). We'll occasionally send you account-related emails.

如图按要求填写相应的信息，并记住它。

三、在 github 上创建一个 repo




点击顶部右侧的“+”， 或者打开 [链接](#)

Create a new repository

A repository contains all project files, including the revision history. Already have a project repository elsewhere? [Import a repository](#).

Owner *


Repository name *

 jiangyuzhen ▾ /

Great repository names are short and memorable. Need inspiration? How about **ideal-octo-tribble**?

Description (optional)

☒  **Public**
Anyone on the internet can see this repository. You choose who can commit.

☐  **Private**
You choose who can see and commit to this repository.

Initialize this repository with:

Skip this step if you're importing an existing repository.

☐ **Add a README file**
This is where you can write a long description for your project. [Learn more](#).

☐ **Add .gitignore**
Choose which files not to track from a list of templates. [Learn more](#).



☐ **Choose a license**
A license tells others what they can and can't do with your code. [Learn more](#).

Create repository


按如图所示填写 **Repository name**, 尽可能用英文命名, 其余选择都是可选项, 可根据需要自由选择。

点击“**Create repository**”, 会进入到如下页面, 暂时不要关闭


Quick setup — if you've done this kind of thing before

 Set up in Desktop or **HTTPS** **SSH** `git@github.com:jiangyuzhen/test.git` 

Get started by [creating a new file](#) or [uploading an existing file](#). We recommend every repository include a [README](#), [LICENSE](#), and [.gitignore](#).

...or create a new repository on the command line 


```
echo "# test" >> README.md
git init
git add README.md
git commit -m "first commit"
git branch -M main
git remote add origin git@github.com:jiangyuzhen/test.git
git push -u origin main
```

...or push an existing repository from the command line 

```
git remote add origin git@github.com:jiangyuzhen/test.git
git branch -M main
git push -u origin main
```

...or import code from another repository

You can initialize this repository with code from a Subversion, Mercurial, or TFS project.



可以根据该页面生成的两个方式，在本地命令行中 **clone** 该 repo。

四、在 shell(命令行)中配置 github

1.打开 shell(命令行)，需要告诉 Github，你要使用的用户名

```
git config --global user.name "Your Name Here"
```

2.设置邮箱

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

注： 绿色部分为你在创建 github 时输入的 name 和 email.

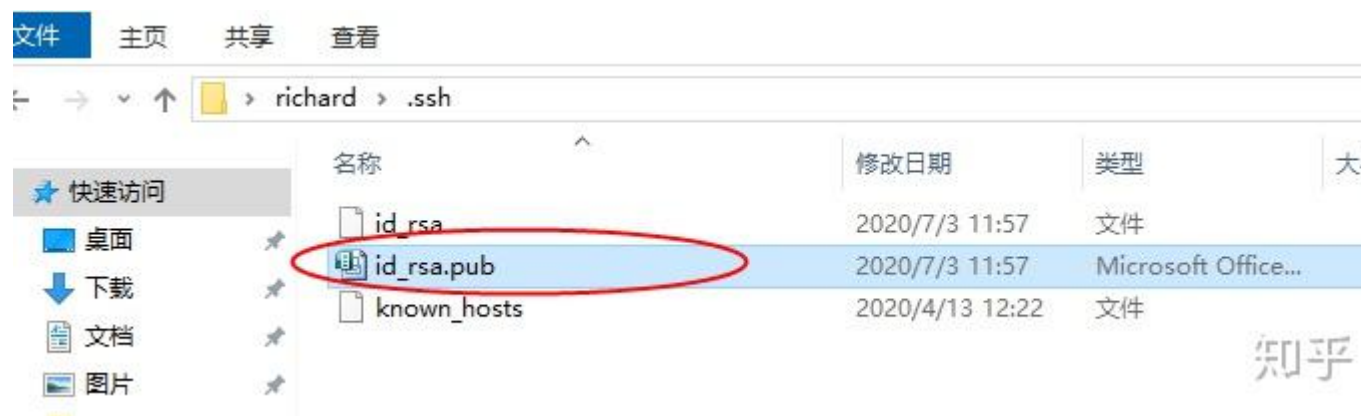
3.执行命令生成 ssh pub_key

```
ssh-keygen -t rsa -C "your_email@example.com"
```

执行命令多次回车后出现如下：

```
~ ssh-keygen -t rsa -C "1191973018@qq.com"
Generating public/private rsa key pair.
Enter file in which to save the key (/Users/yuzhenjiang/.ssh/id_rsa):
/Users/yuzhenjiang/.ssh/id_rsa already exists.
Overwrite (y/n)? y
Enter passphrase (empty for no passphrase):
Enter same passphrase again:
Your identification has been saved in /Users/yuzhenjiang/.ssh/id_rsa.
Your public key has been saved in /Users/yuzhenjiang/.ssh/id_rsa.pub.
The key fingerprint is:
SHA256:JWu0Xr+PKKChnC5nx20ZncJmPLZtcNhvEVbbTTLdhF4 1191973018@qq.com
The key's randomart image is:
+---[RSA 3072]-----+
|  *+.o+.o..+.  |
|  =o.++ *o E   |
|  o .+=. B.o.   |
|  +.+oo. o *..  |
|  o+o= .. S o . |
|  .++ o o o     |
|  o...          |
|  o             |
|  .             |
+-----[SHA256]-----+
```

4.到.ssh 的默认目录下查看：（默认目录一般是：C:\Users\richard.ssh\）



5.打开生成后的 id_rsa.pub 文件, copy 内容到 git ssh 个人设置(github 上的链

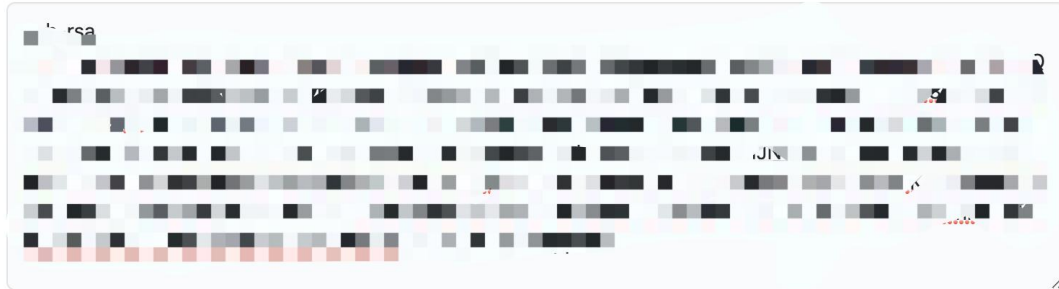
路: 点击头像 -> Settings -> SSH and GPG key -> new ssh key)

SSH keys / Add new

Title

TW.MAC

Key



Add SSH key

6. copy 相应的 key 值，点击 “Add SSH key” .

五、Git clone repo

在第三步，我们创建 **repo** 后会有跳到相应的页面，此时回到那个页面，在 **Shell** (命令行)去执行页面上的命令，两种方式，二选一就 **OK** 啦。