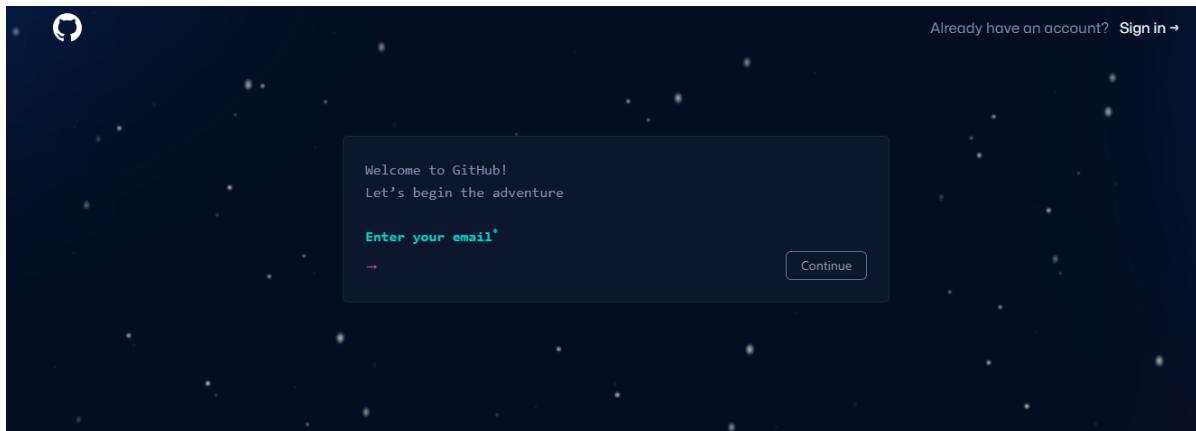


GitHub快速入门

点击此是[网站地址](#)

注册



直接就一步一步注册就可以了

本地和仓库的绑定

A screenshot of a GitHub repository page. The repository is named "Dragon-Circuit-Design-Competition" and is public. The main interface shows a list of commits from the "main" branch. One commit by "skyhappyct" adds files via upload. Another commit creates a "Readme.md" file. The repository has 8 commits in total. On the right side, there are sections for "About", "Releases", and "Packages". The "About" section contains the text: "This repository is for the competition! Fight and win!". The "Releases" section says "No releases published" and "Create a new release". The "Packages" section says "No packages published" and "Publish your first package".

这是我创的仓库，大家都得把这个远程仓库和自己本地的文件绑定，方便以后更新pull和上传push。所以首先大家得先下载Git Bash这个工具：

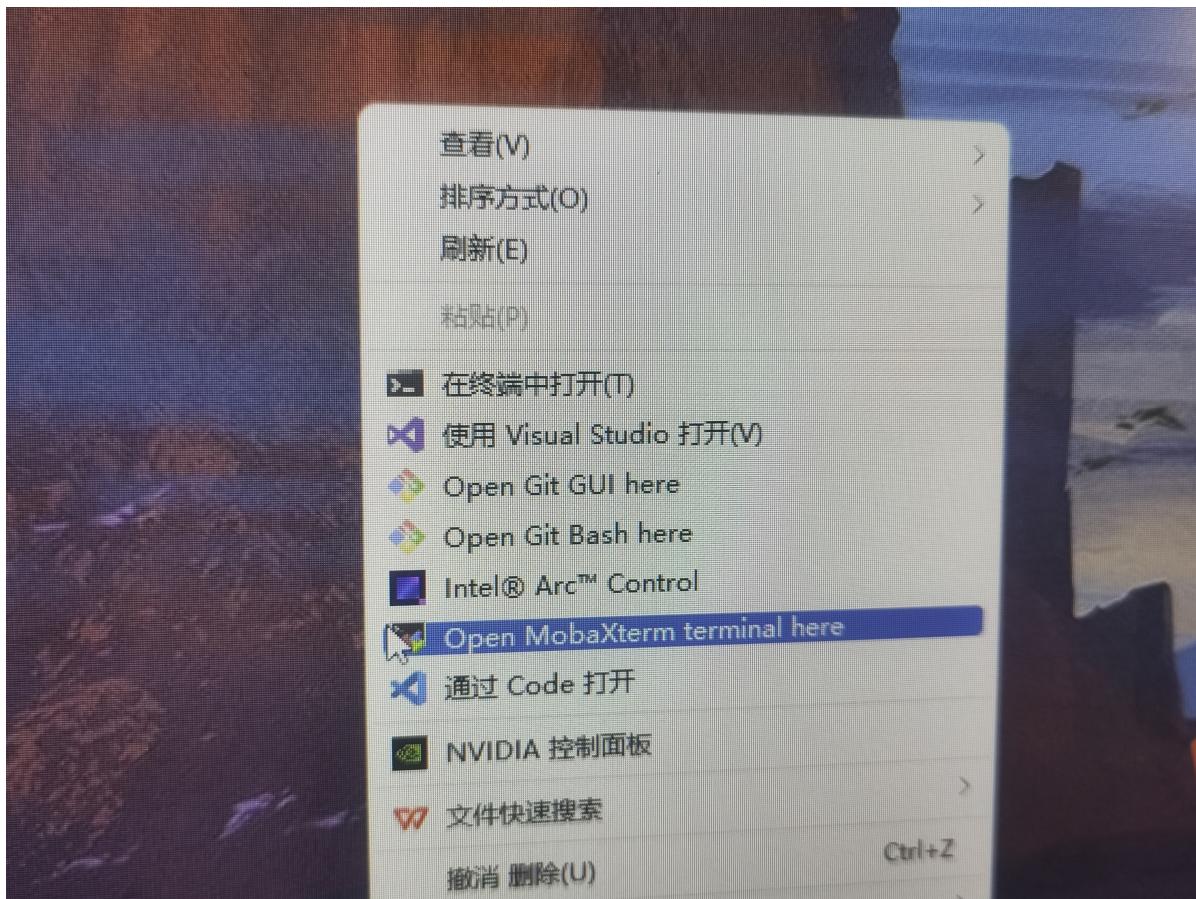


下载Git Bash

下载地址: [Git - Downloads \(git-scm.com\)](https://git-scm.com)

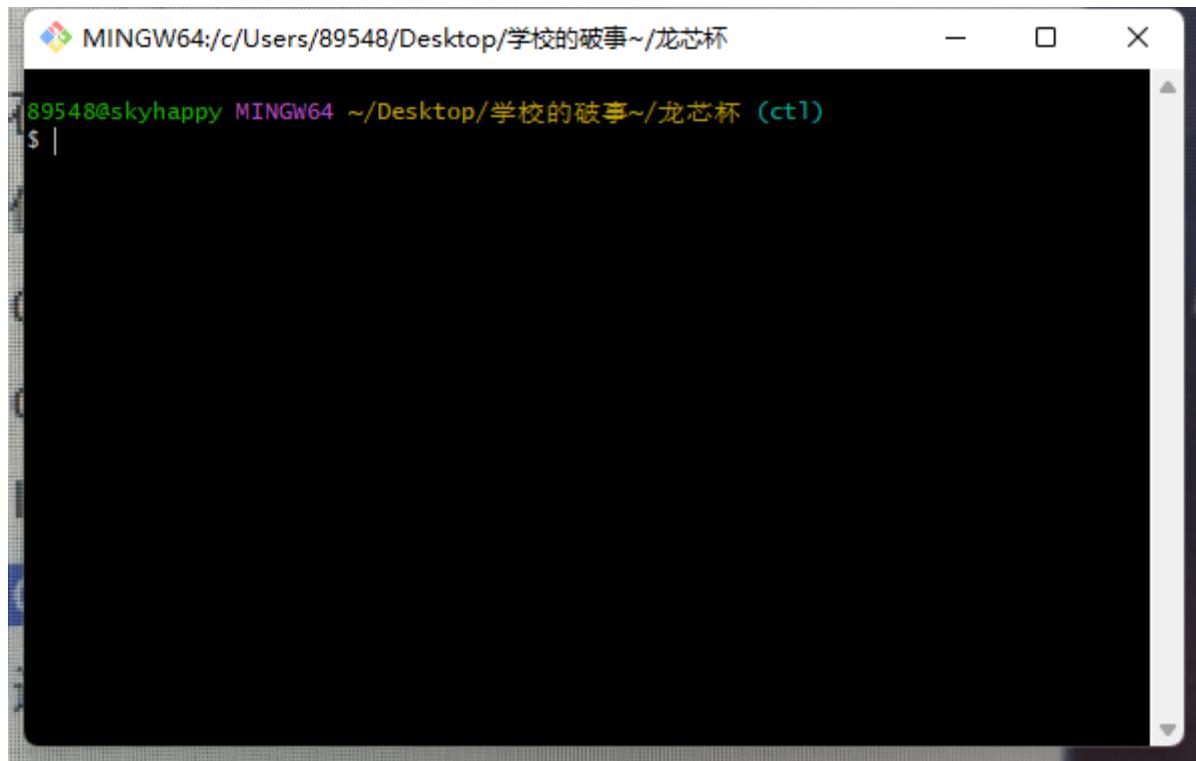
下载的时候就默认一直next就行。

下载完如果右键可以看到这个(Open Git Bash here) 就说明下载成功了：



本地获取ssh绑定github账号

我们建一个文件夹，然后在这个文件夹中右键Open Git Bash here,弹出来这个窗口，以我的为例：



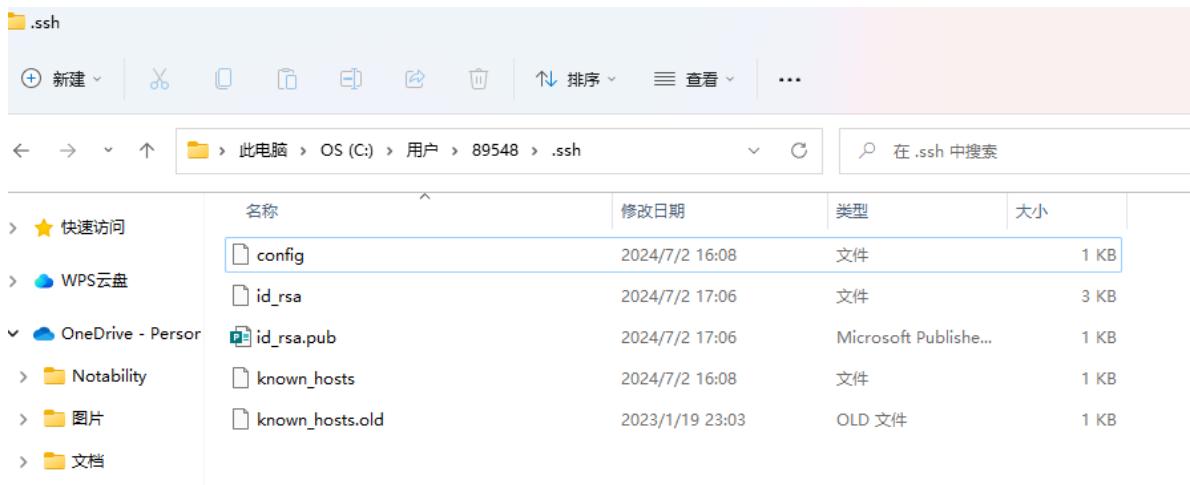
然后在命令行里面输入：

```
ssh-keygen -t rsa -C "你的github账号"
```

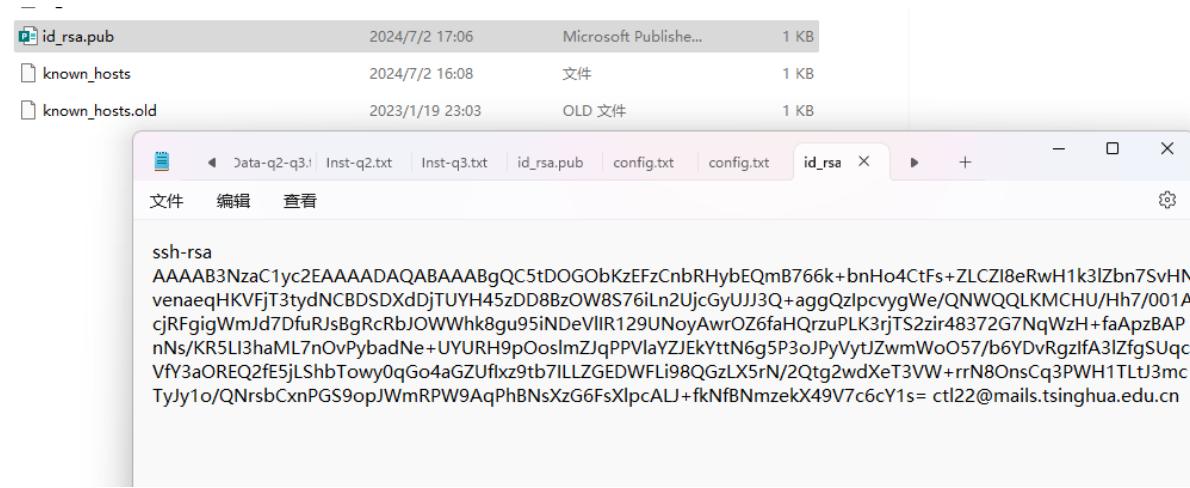
然后就按照他的指示选择你存ssh的文件夹，密码，成功后会弹出来这些信息

```
89548@skyhappy MINGW64 ~/Desktop/学校的破事~/龙芯杯 (ctl)
$ ssh-keygen -t rsa -C "ct122@mails.tsinghua.edu.cn"
Generating public/private rsa key pair.
Enter file in which to save the key (/c/Users/89548/.ssh/id_rsa):
/c/Users/89548/.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 /c/Users/89548/.ssh/id_rsa
Your public key has been saved in /c/Users/89548/.ssh/id_rsa.pub
The key fingerprint is:
SHA256:OYw9DwpIWkj8dxLNRSu/xaLsaOLDt17opdpZ6rX506o ct122@mails.tsinghua.edu.cn
The key's randomart image is:
+---[RSA 3072]---+
|.. . o oo |
|o+ . o . |
|o... o o . |
|.... o+o.. |
|... . So o |
|... o...=+ |
|... .B .o |
|+oo@ o.. |
|.oO@.Eooo |
+---[SHA256]---+
89548@skyhappy MINGW64 ~/Desktop/学校的破事~/龙芯杯 (ctl)
$ |
```

你可以在电脑文件夹里查看这些ssh



用记事本打开id_rsa.pub,把里面的内容全部复制一下:



打开github，在个人设置里面打开这个：

The screenshot shows the GitHub user interface for managing SSH keys. The user is logged in as 'skyhappyctl'. On the left, there's a sidebar with various account settings like Public profile, Account, Appearance, Accessibility, Notifications, Access, Billing and plans, Emails, Password and authentication, Sessions, and SSH and GPG keys (which is currently selected). The main content area is titled 'SSH keys' and displays a list of authentication keys. One key is listed: 'ct122@mails.tsinghua.edu.cn' (SHA256:7daaKQdhOBvA9giCuAGnht4821RMA1wyZbVamD0Ld8), added on Jul 2, 2024, and last used within the last week (Read/write). There's a 'Delete' button next to the key entry. Below this, there's a note about connecting to GitHub using SSH keys and troubleshooting common SSH problems. The 'GPG keys' section below it indicates there are no GPG keys associated with the account.

添加ssh key (我已经添加过了所以已经有显示了。)

添加成功后可以输入查看是否绑定成功：

```
ssh -T git@github.com
```

成功会出现下面的信息：

```
89548@skyhappy MINGW64 ~/Desktop/学校的破事~/龙芯杯 (ctl)
$ ssh -T git@github.com
Enter passphrase for key '/c/Users/89548/.ssh/id_rsa':
Hi skyhappyctl! You've successfully authenticated, but GitHub does not provide shell access.
```

输入下两行代码来设置一下本地的config文件:

```
$ git config --global user.name "你的账号"
$ git config --global user.email "你注册的邮箱"
```

```
89548@skyhappy MINGW64 ~/Desktop/学校的破事~/龙芯杯 (ctl)
$ git config --global user.name "ctl22@mails.tsinghua.edu.cn"

89548@skyhappy MINGW64 ~/Desktop/学校的破事~/龙芯杯 (ctl)
$ git config --global user.email "ctl22@mails.tsinghua.edu.cn"
```

本地克隆

我们的仓库ssh地址: <git@github.com:skyhappyctl/Dragon-Circuit-Design-Competition.git> (待会直接复制就行)

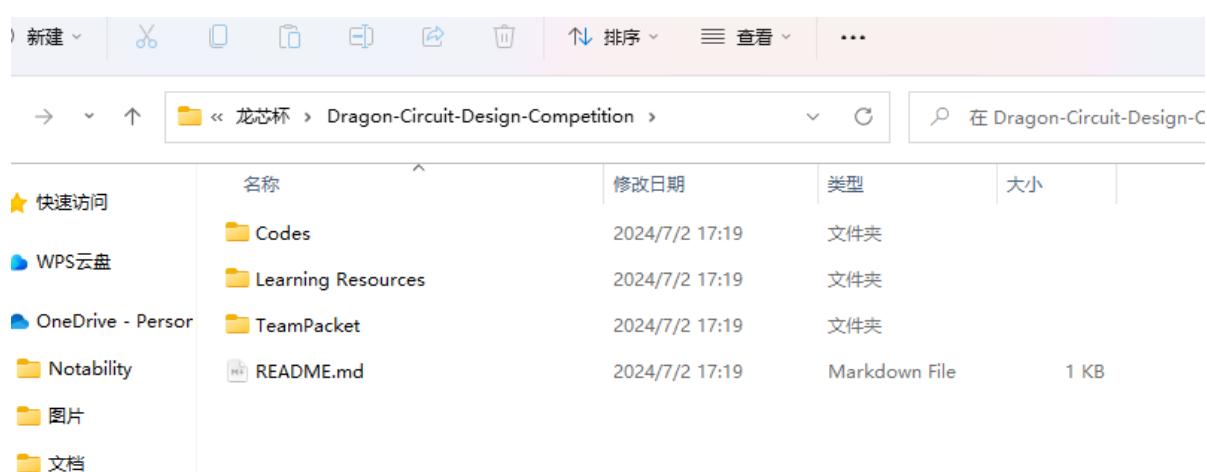
我们输入:

```
$ git clone git@github.com:skyhappyctl/Dragon-Circuit-Design-Competition.git
```

然后等待克隆完成, 就会发现本地有了这个文件夹:

```
89548@skyhappy MINGW64 ~/Desktop/学校的破事~/龙芯杯 (ctl)
$ git clone git@github.com:skyhappyctl/Dragon-Circuit-Design-Competition.git
Cloning into 'Dragon-Circuit-Design-Competition'...
Enter passphrase for key '/c/Users/89548/.ssh/id_rsa':
remote: Enumerating objects: 29, done.
remote: Counting objects: 100% (29/29), done.
remote: Compressing objects: 100% (21/21), done.
remote: Total 29 (delta 3), reused 3 (delta 0), pack-reused 0
Receiving objects: 100% (29/29), 7.63 MiB | 3.03 MiB/s, done.
Resolving deltas: 100% (3/3), done.

89548@skyhappy MINGW64 ~/Desktop/学校的破事~/龙芯杯 (ctl)
$
```



这样就把东西拷下来啦!

本地上传文件

比如我要把这个教程文件传上去，首先在这个文件所在的文件夹右键打开这个bash命令行窗口，然后输入：

```
$ git add 文件名  
$ git commit -m "写一下你这次push的原因，随便写啥都行"  
$ git push origin main
```

然后等待他上传应该就可以啦~

本地更新

如果想在本地更新仓库的东西（注意，不是克隆，克隆是一次性把所有仓库的东西复制一遍，更新是只会下载新的东西）

输入：

```
$ git pull origin main
```

就可以了~