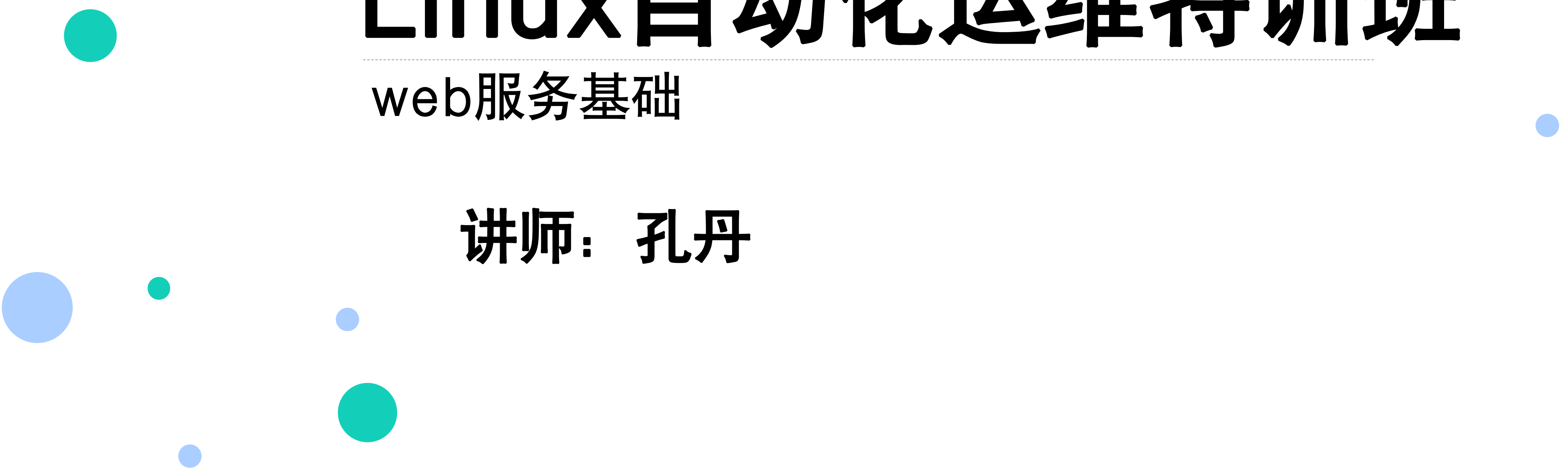




Linux自动化运维特训班

Github使用

讲师：孔丹



大纲

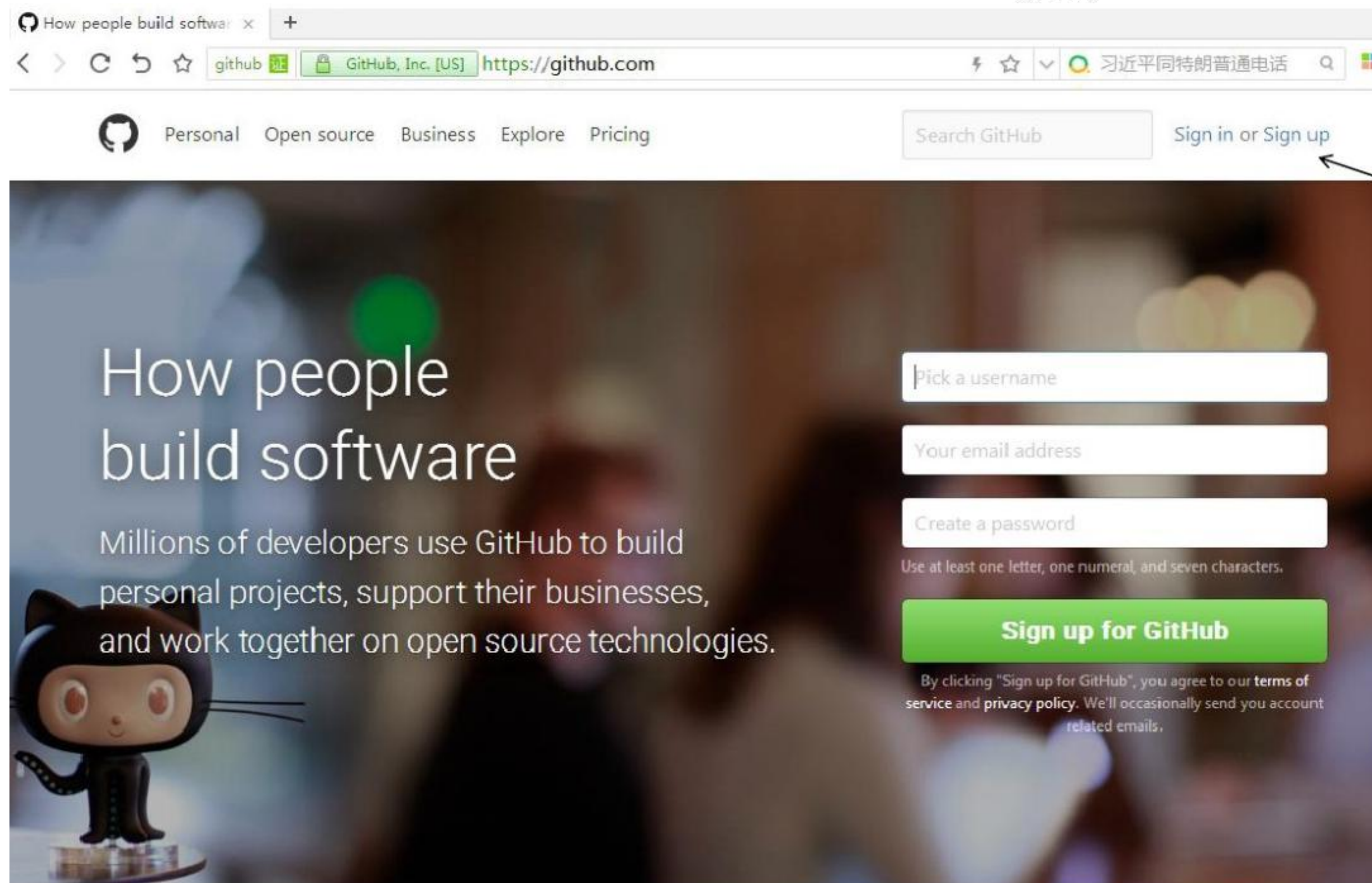
- Github简介
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- Github使用

Github简介

- GitHub 是一个面向开源及私有软件项目的托管平台， 因为只支持 Git 作为唯一的版本库格式进行托管， 故名 GitHub。
- GitHub 使用 git 分布式版本控制系统， 而 git最初是 Linux Torvalds 为帮助Linux开发而创造的， 它针对的是 Linux 平台， 因此git和Windows 从来不是最好的朋友， 因为它一点也不像 Windows 。 GitHttb 发布了 GitHub for Windows， 为 Windows 平台开发者提供了一个易于使用的Git 图形客户端。

Github注册

□ 登录github网站



The screenshot shows the GitHub homepage in a web browser. The browser's address bar displays 'https://github.com'. The page header includes the GitHub logo, navigation links for 'Personal', 'Open source', 'Business', 'Explore', and 'Pricing', a search bar labeled 'Search GitHub', and a link for 'Sign in or Sign up'. The main content area features the text 'How people build software' and 'Millions of developers use GitHub to build personal projects, support their businesses, and work together on open source technologies.' To the left of this text is a small illustration of the GitHub mascot, Octocat. On the right side of the main content area, there is a sign-up form with three input fields: 'Pick a username', 'Your email address', and 'Create a password'. Below the 'Create a password' field, there is a note: 'Use at least one letter, one numeral, and seven characters.' At the bottom of the form is a green button labeled 'Sign up for GitHub'. Below the button, there is a disclaimer: 'By clicking "Sign up for GitHub", you agree to our terms of service and privacy policy. We'll occasionally send you account related emails.'

Sign in or Sign up

Click to register

How people build software

Millions of developers use GitHub to build personal projects, support their businesses, and work together on open source technologies.

Pick a username

Your email address

Create a password

Use at least one letter, one numeral, and seven characters.

Sign up for GitHub

By clicking "Sign up for GitHub", you agree to our terms of service and privacy policy. We'll occasionally send you account related emails.

Github注册

□ 注册Github

The image shows the GitHub registration page with several Chinese annotations in blue boxes and arrows pointing to specific fields:

- 用户名** (Username) points to the Username input field.
- 邮件地址** (Email Address) points to the Email Address input field.
- 密码** (Password) points to the Password input field.
- 点击注册** (Click to register) points to the "Create an account" button.

The registration process is divided into three steps:

- Step 1: Set up a personal account** (indicated by a person icon)
- Step 2: Choose your plan** (indicated by a code icon)
- Step 3: Tailor your experience** (indicated by a gear icon)

The "Create your personal account" section includes the following fields and instructions:

- Username:** This will be your username — you can enter your organization's username next.
- Email Address:** You will occasionally receive account related emails. We promise not to share your email with anyone.
- Password:** Use at least one lowercase letter, one numeral, and seven characters.

Below the form, there is a checkbox for "By clicking on 'Create an account' below, you are agreeing to the [Terms of Service](#) and the [Privacy Policy](#)." and a green button labeled "Create an account".

On the right side, there is a section titled "You'll love GitHub" with the following benefits:

- Unlimited collaborators
- Unlimited public repositories
- Great communication
- Frictionless development
- Open source community

Github注册

□ 项目选择

Welcome to GitHub

You've taken your first step into a larger world, @630405657.



Completed

Set up a personal account



Step 2:

Choose your plan



Step 3:

Tailor your experience

Choose your personal plan



Unlimited public repositories for free.



Unlimited private repositories for \$7/month. [\(view in CNY\)](#)

选免费

Don't worry, you can cancel or upgrade at any time.



Help me set up an organization next

Organizations are separate from personal accounts and are best suited for businesses who need to manage permissions for many employees.

[Learn more about organizations.](#)

Continue

点击继续

Both plans include:

- ✓ Collaborative code review
- ✓ Issue tracking
- ✓ Open source community
- ✓ Unlimited public repositories
- ✓ Join any organization

Github注册

□ 邮件确认



Please verify your email address

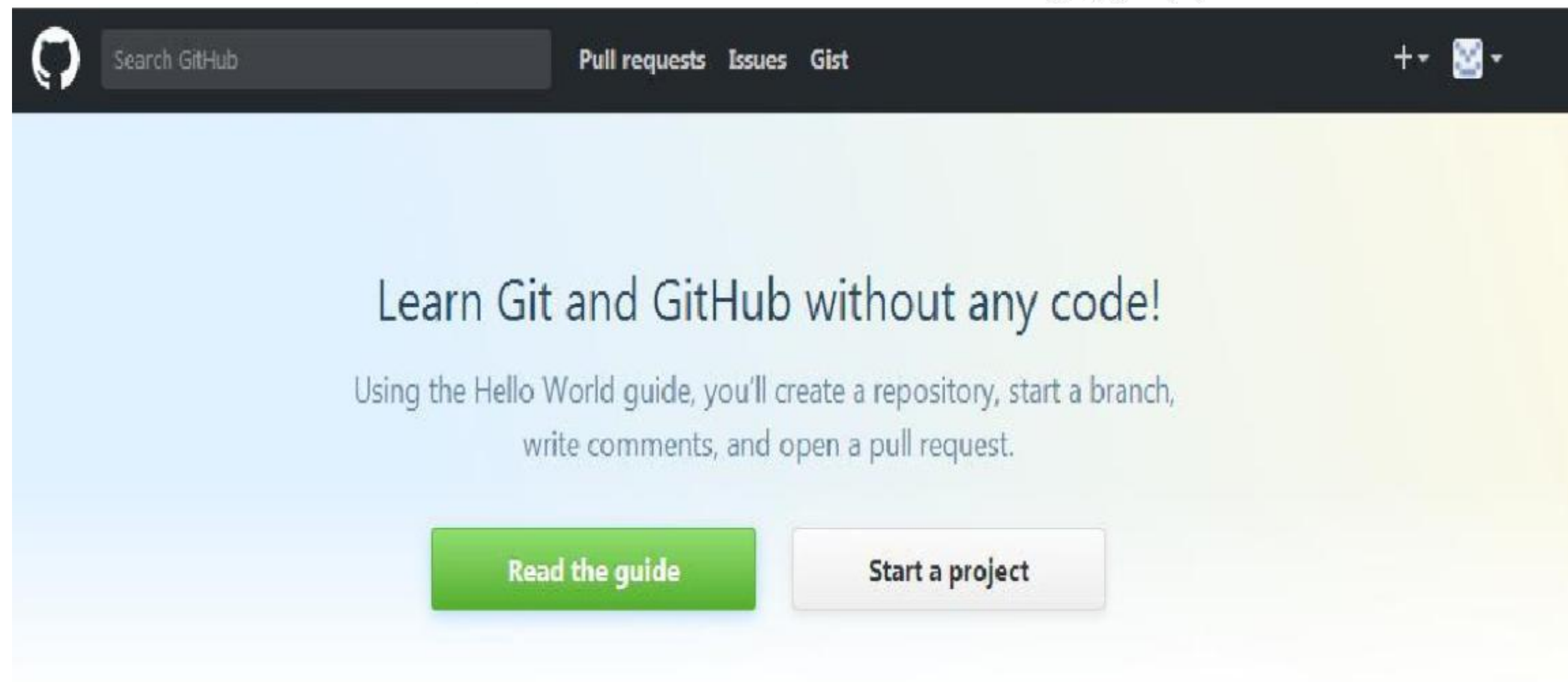
Before you can contribute on GitHub, we need you to verify your email address.
An email containing verification instructions was sent to **630405657@qq.com**.

Didn't get the email? Resend verification email or change your email settings.



Github注册

□ 完成注册



新建托管项目

□ 新建Test项目

完成注册， 进入github平台， 点击New repository 新建一个新项目



新建托管项目

□ 完成项目设置

PUBLIC

Owner

Repository name

Test

Great repository names are short and memorable. Need inspiration? How about `secret-octo-spice`.

Description (optional)

这是个测试项目

☒ Public

Anyone can see this repository. You choose who can commit.

☐ Private

You choose who can see and commit to this repository.

☒ Initialize this repository with a README

This will allow you to `git clone` the repository immediately. Skip this step if you have already run `git init`

Add .gitignore: None

Add a license: GPL v2

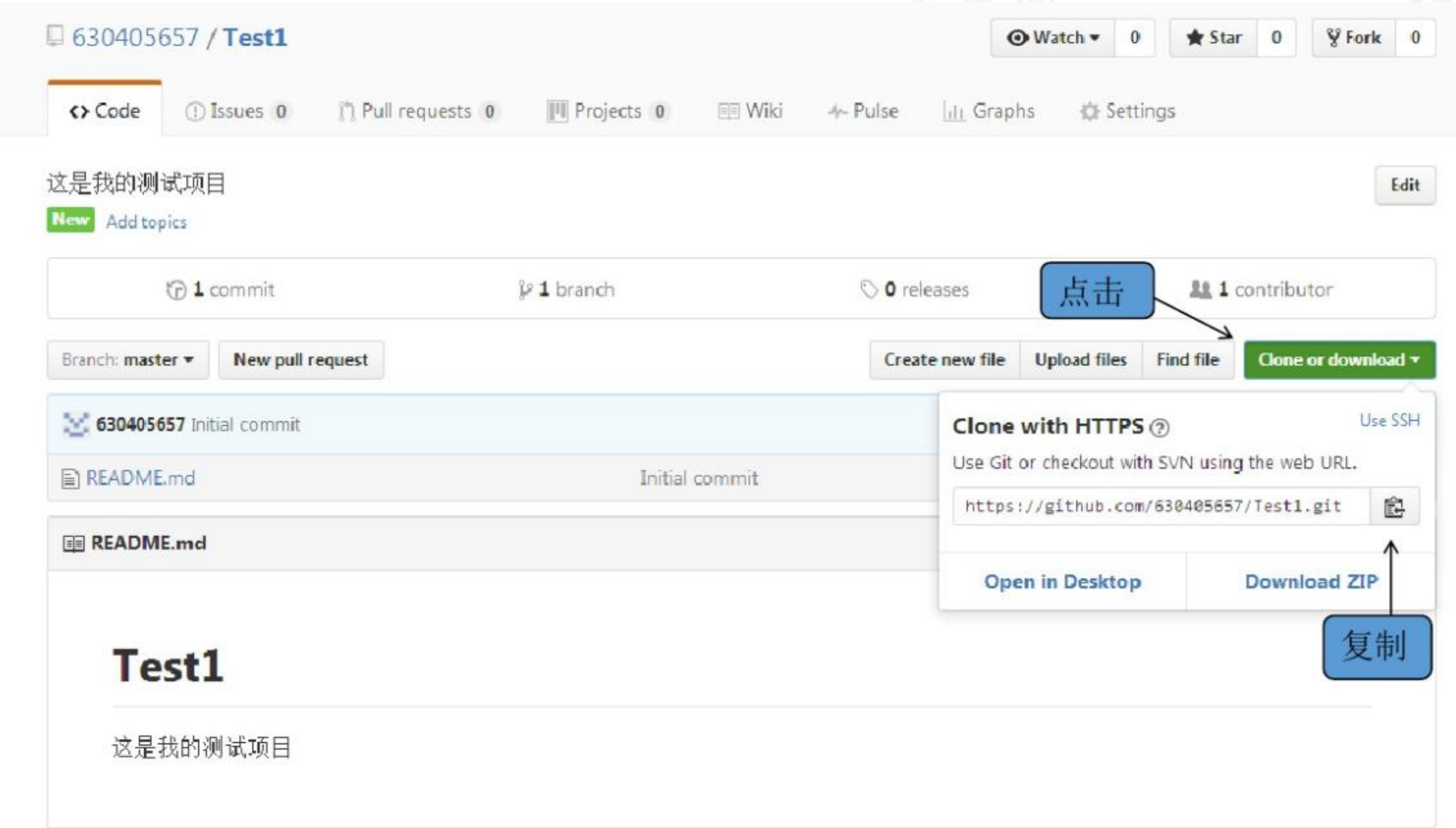
Create repository

点击继续

要遵从的开源协议

新建托管项目

□ 复制当前链接



Git 远程库配置

创建一个远程库， 简称为s， 以下操作都以简称为主

```
git remote add s 远程库url
```

同步

```
git fetch s master (不自动合并)
```

```
git pull s master (自动合并)
```

提交

```
git push s master
```

拷贝

```
git clone url
```

Git 远程库配置

Linux服务器向远程库基于ssh推送文件

1、生成密钥对

```
ssh-keygen -C "xxx@xxx.com" -N "" -f ~/.ssh/id_rsa -q
```

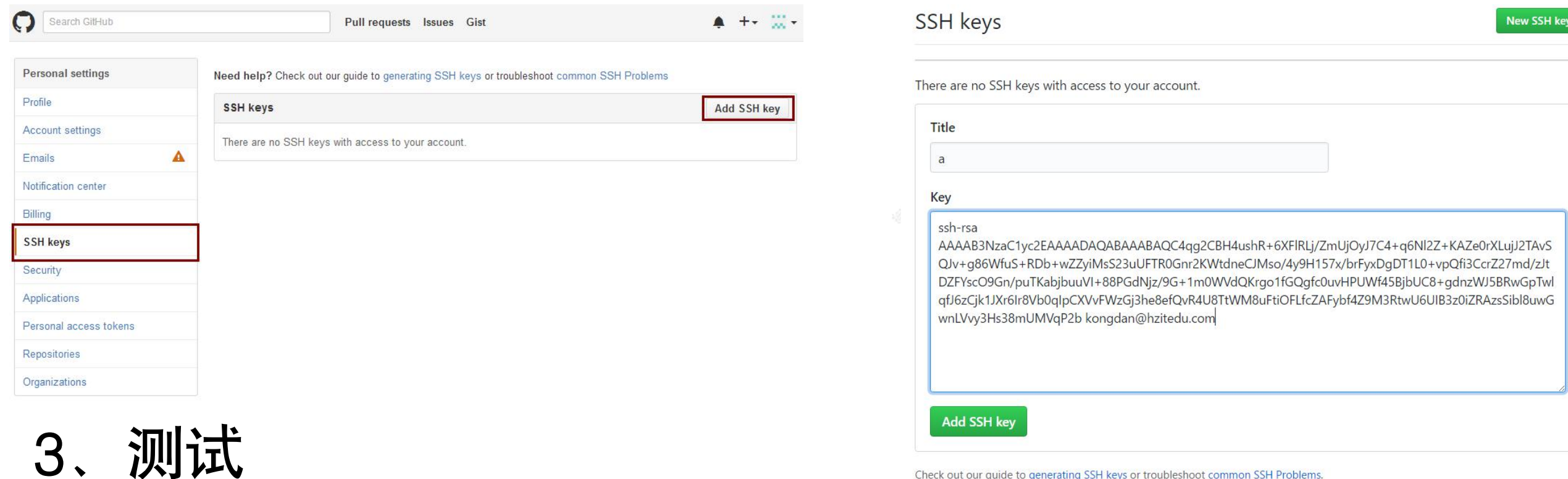
其中：-C "xxx@xxx.com"为注册时的邮箱

```
# Adding your SSH key to the ssh-agent
```

```
# eval $(ssh-agent -s)
```

```
# ssh-add
```

2、登录到你的GitHub上边添加这个密匙(公钥)

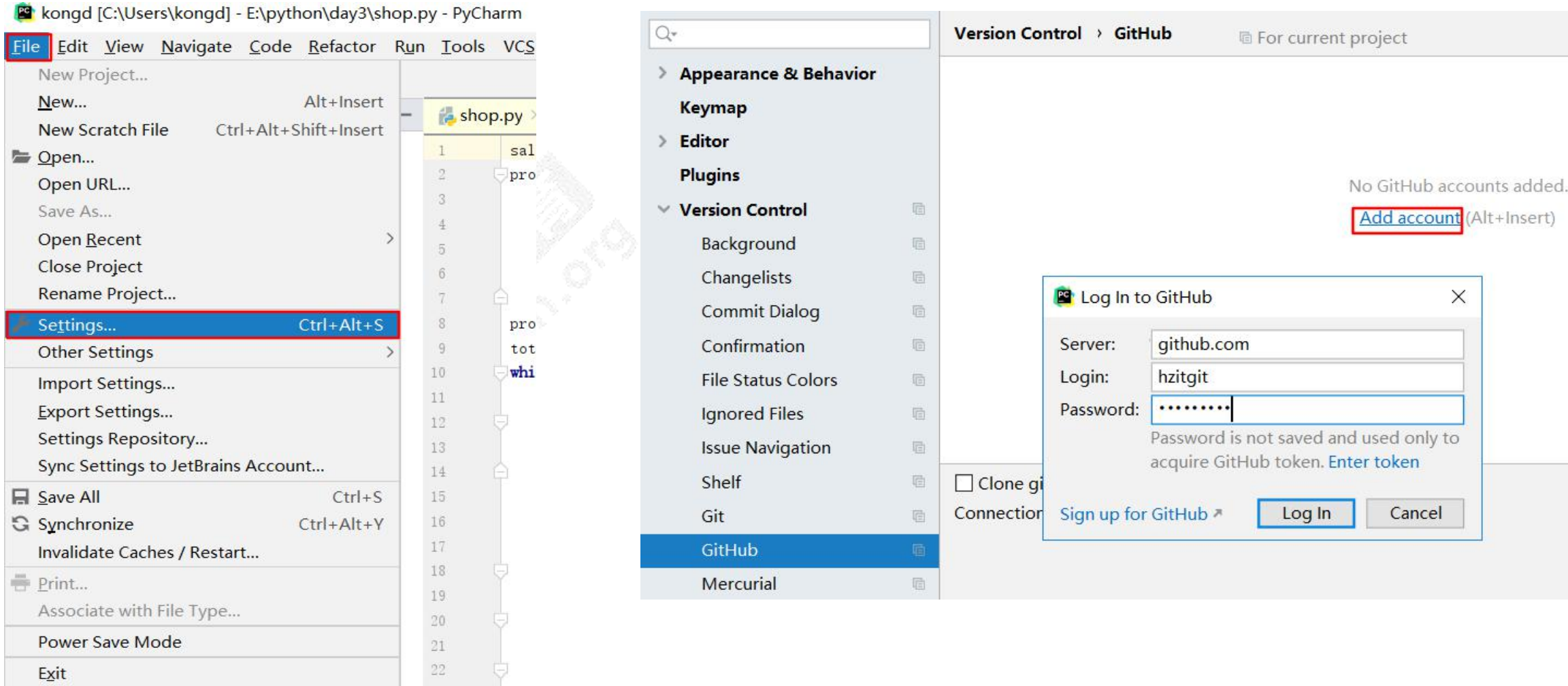


3、测试

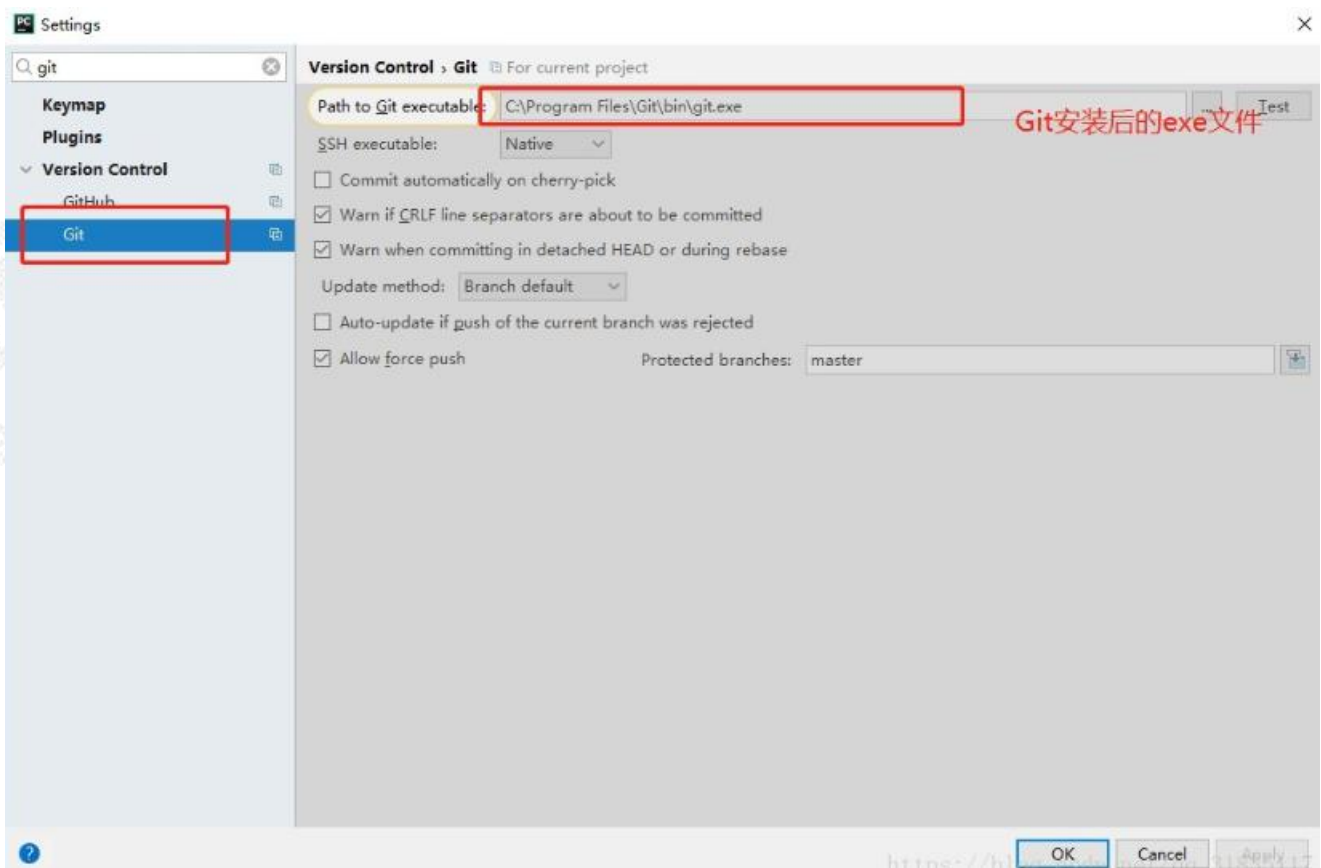
```
ssh -T git@github.com
```

Pycharm使用Github

PyCharm 上github设置，选择github进行连接



点击Git，在Path to git executable 中选择Git安装后的exe文件，点击test进行测试



总结

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谢谢观看

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