

## 构建本地git目录

```
MINGW64: ~/Desktop/mycode/Qt/learning/game_neuradynamia/testDir
Itrains@LAPTOP-R21BFTSM MINGW64 ~/Desktop/mycode/Qt/learning/game_neuradynamia/testDir
$ mkdir WeChat

Itrains@LAPTOP-R21BFTSM MINGW64 ~/Desktop/mycode/Qt/learning/game_neuradynamia/testDir
$ ll
total 0
drwxr-xr-x 1 Itrains 197121 0 Apr  7 10:10 WeChat/

Itrains@LAPTOP-R21BFTSM MINGW64 ~/Desktop/mycode/Qt/learning/game_neuradynamia/testDir
$ git init
Initialized empty Git repository in C:/Users/Itrains/Desktop/mycode/Qt/learning/game_neuradynamia/testDir/.git/

Itrains@LAPTOP-R21BFTSM MINGW64 ~/Desktop/mycode/Qt/learning/game_neuradynamia/testDir (master)
$ ls -lA
total 4
drwxr-xr-x 1 Itrains 197121 0 Apr  7 10:10 .git/
drwxr-xr-x 1 Itrains 197121 0 Apr  7 10:10 WeChat/

Itrains@LAPTOP-R21BFTSM MINGW64 ~/Desktop/mycode/Qt/learning/game_neuradynamia/testDir (master)
$ ll .git/
total 7
-rw-r--r-- 1 Itrains 197121  23 Apr  7 10:10 HEAD
-rw-r--r-- 1 Itrains 197121 130 Apr  7 10:10 config
-rw-r--r-- 1 Itrains 197121  73 Apr  7 10:10 description
drwxr-xr-x 1 Itrains 197121  0 Apr  7 10:10 hooks/
drwxr-xr-x 1 Itrains 197121  0 Apr  7 10:10 info/
drwxr-xr-x 1 Itrains 197121  0 Apr  7 10:10 objects/
drwxr-xr-x 1 Itrains 197121  0 Apr  7 10:10 refs/

Itrains@LAPTOP-R21BFTSM MINGW64 ~/Desktop/mycode/Qt/learning/game_neuradynamia/testDir (master)
$ |
```

```
Itrains@LAPTOP-R21BFTSM MINGW64 ~/Desktop/mycode/Qt/learning/game_neuradynamia/testDir (master)
$ 设置用户名和用户邮件AC

Itrains@LAPTOP-R21BFTSM MINGW64 ~/Desktop/mycode/Qt/learning/game_neuradynamia/testDir (master)
$ git config user.name itrains

Itrains@LAPTOP-R21BFTSM MINGW64 ~/Desktop/mycode/Qt/learning/game_neuradynamia/testDir (master)
$ git config user.email 2545531794@qq.com

Itrains@LAPTOP-R21BFTSM MINGW64 ~/Desktop/mycode/Qt/learning/game_neuradynamia/testDir (master)
$ 设置当前操作系统的用户名和用户邮件AC

Itrains@LAPTOP-R21BFTSM MINGW64 ~/Desktop/mycode/Qt/learning/game_neuradynamia/testDir (master)
$ git config --global user.name itrains

Itrains@LAPTOP-R21BFTSM MINGW64 ~/Desktop/mycode/Qt/learning/game_neuradynamia/testDir (master)
$ git config --global user.email 2545531794@qq.com
```

```

itrains@LAPTOP-R21BFTSM MINGW64 ~/Desktop/mycode/Qt/learning/game_neuradynamia/testDir (master)
$ cat .git/config
[core]
    repositoryformatversion = 0
    filemode = false
    bare = false
    logallrefupdates = true
    symlinks = false
    ignorecase = true

[user]
    name = itrains
    email = 2545531794@qq.com

```

mycode > Qt > learning > game\_neuradynamia > testDir > .git

名称	修改日期
hooks	2022/4/7 1
info	2022/4/7 1
objects	2022/4/7 1
refs	2022/4/7 1
config	2022/4/7 1
description	2022/4/7 1
HEAD	2022/4/7 1

config - 记事本

文件(F) 编辑(E) 格式(O) 查看(V) 帮助(H)

```

[core]
    repositoryformatversion = 0
    filemode = false
    bare = false
    logallrefupdates = true
    symlinks = false
    ignorecase = true

[user]
    name = itrains
    email = 2545531794@qq.com

```

系统用户级别签名

```
Itrains@LAPTOP-R21BFTSM MINGW64 ~/Desktop/mycode/Qt/learning/game_neuradynamia/t
estDir (master)
$ cd ~

Itrains@LAPTOP-R21BFTSM MINGW64 ~
$ cat .gitconfig
[core]
    editor = "\"D:\\Microsoft VS Code\\bin\\code\" --wait
[user]
    name = itrains
    email = 2545531794@qq.com
```

## 级别优先级

- ◆ 就近原则：项目级别优先于系统用户级别，二者都有时采用项目级别的签名
- ◆ 如果只有系统用户级别的签名，就以系统用户级别的签名为准
- ◆ 二者都没有不允许

查看状态与添加文件到git版本管理

```
Itrains@LAPTOP-R21BFTSM MINGW64 ~/Desktop/mycode/Qt/learning/game_neuradynamia/t
estDir (master)
$ git status
On branch master

No commits yet

nothing to commit (create/copy files and use "git add" to track)

Itrains@LAPTOP-R21BFTSM MINGW64 ~/Desktop/mycode/Qt/learning/game_neuradynamia/t
estDir (master)
$ vim good.txt

Itrains@LAPTOP-R21BFTSM MINGW64 ~/Desktop/mycode/Qt/learning/game_neuradynamia/t
estDir (master)
$ git status
On branch master

No commits yet

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

nothing added to commit but untracked files present (use "git add" to track)
```

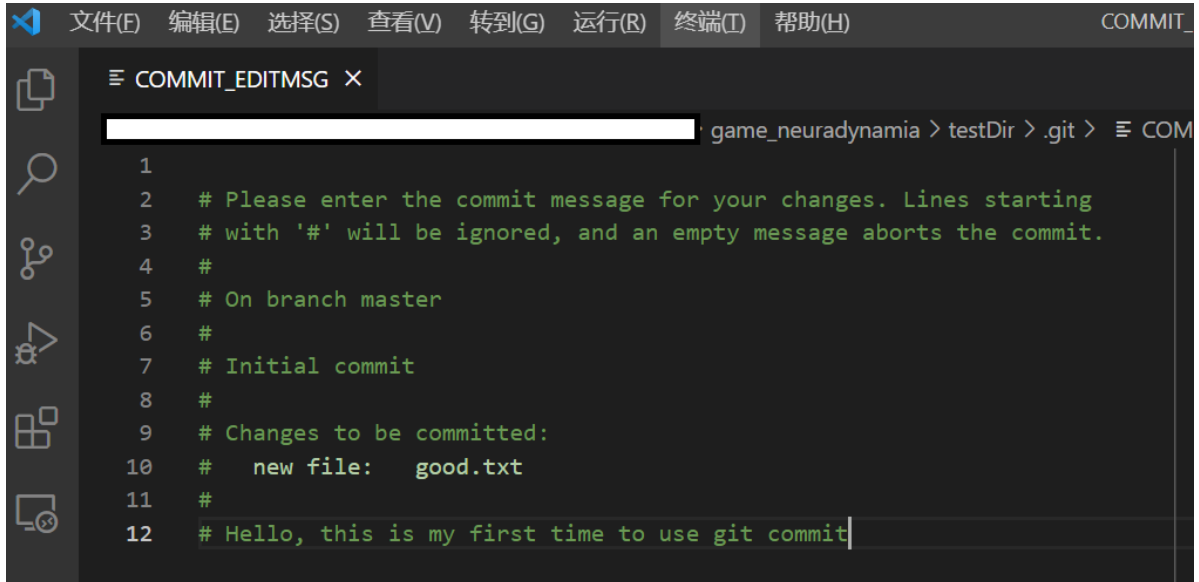
```
Itrains@LAPTOP-R21BFTSM MINGW64 ~/Desktop/mycode/Qt/learning/game_neuradynamia/t
estDir (master)
$ git add good.txt
warning: LF will be replaced by CRLF in good.txt.
The file will have its original line endings in your working directory

Itrains@LAPTOP-R21BFTSM MINGW64 ~/Desktop/mycode/Qt/learning/game_neuradynamia/t
estDir (master)
$ git status
On branch master

No commits yet

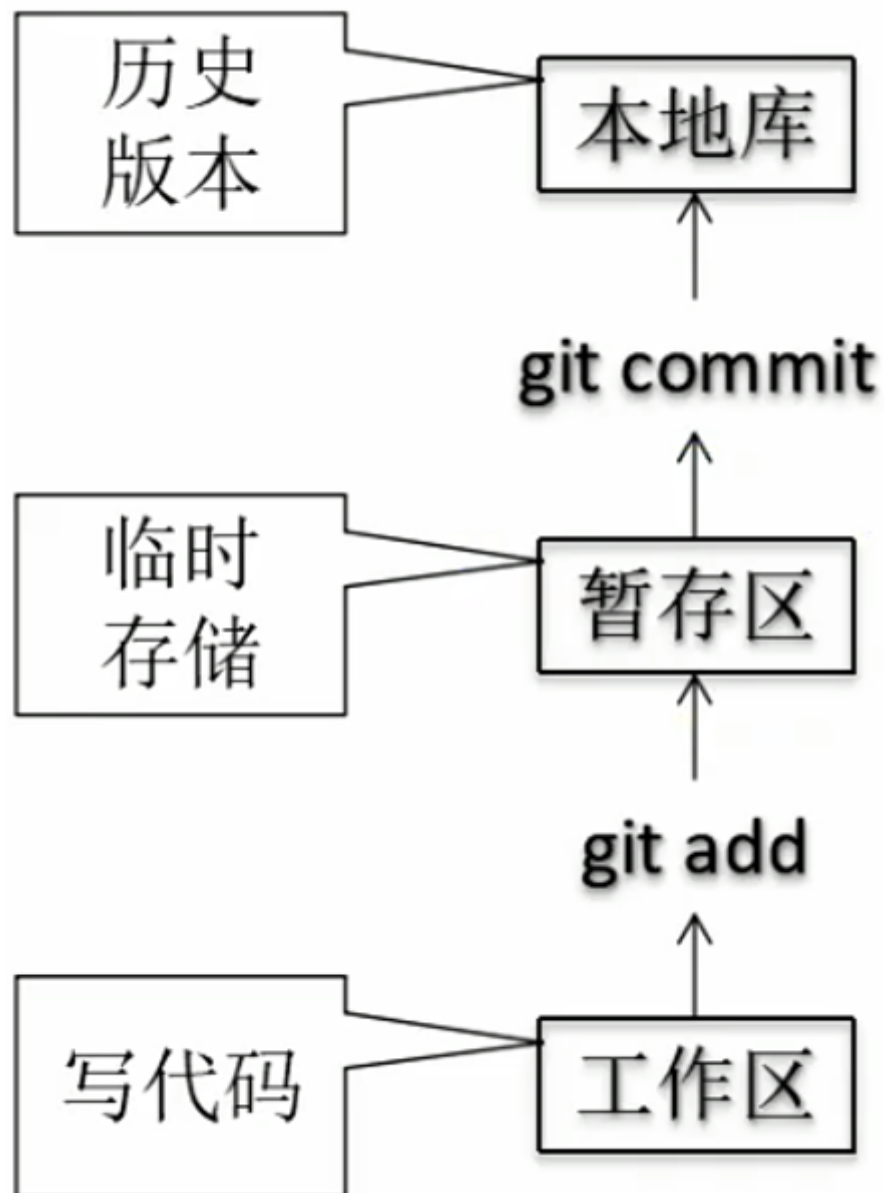
Changes to be committed:
  (use "git rm --cached <file>..." to unstage)
    new file:   good.txt
```

```
Itrains@LAPTOP-R21BFTSM MINGW64 ~/Desktop/mycode/Qt/learning/game_neuradynamia/testDir (master)
$ git commit good.txt
warning: LF will be replaced by CRLF in good.txt.
The file will have its original line endings in your working directory
hint: Waiting for your editor to close the file...
```



```
Itrains@LAPTOP-R21BFTSM MINGW64 ~/Desktop/mycode/Qt/learning/game_neuradynamia/testDir (master)
$ git commit good.txt
warning: LF will be replaced by CRLF in good.txt.
The file will have its original line endings in your working directory
Aborting commit due to empty commit message.

Itrains@LAPTOP-R21BFTSM MINGW64 ~/Desktop/mycode/Qt/learning/game_neuradynamia/testDir (master)
$ git commit -m "My second commit, modify good.txt" good.txt
warning: LF will be replaced by CRLF in good.txt.
The file will have its original line endings in your working directory
[master (root-commit) 70cf8b3] My second commit, modify good.txt
1 file changed, 1 insertion(+)
create mode 100644 good.txt
```



## 将git与github连接

把github上面的仓库克隆到本地

`git clone 网址.git`

```
Itrains@LAPTOP-R21BFTSM MINGW64 ~/Desktop/mycode/Qt/learning/game_neuradynamia
$ git clone https://github.com/wfhhisagony/game_neuradynamia.git
Cloning into 'game_neuradynamia'...
remote: Enumerating objects: 6, done.
remote: Counting objects: 100% (6/6), done.
remote: Compressing objects: 100% (4/4), done.
remote: Total 6 (delta 0), reused 0 (delta 0), pack-reused 0
Receiving objects: 100% (6/6), done.
```

git add \* (注: 别忘记后面的., 此操作是把Test文件夹下面的文件都添加进来)

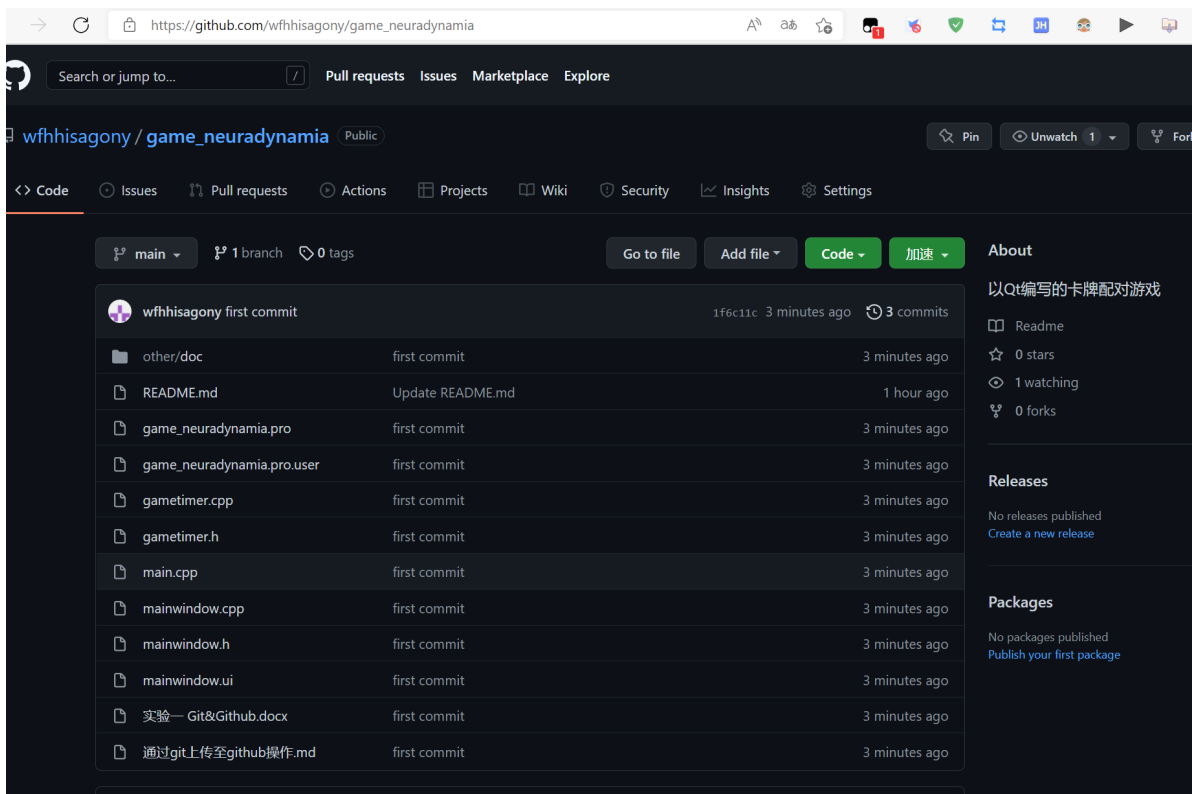
git commit -m "提交信息" (注: "提交信息"里面换成你需要, 如"first commit")

git push -u origin master (注: 此操作目的是把本地仓库push到github上面, 此步骤需要你输入帐号和密码)

```
Itrains@LAPTOP-R21BFTSM MINGW64 ~/Desktop/mycode/Qt/learning/game_neuradynamia/g
ame_neuradynamia (main)
$ git add .
```

```
Itrains@LAPTOP-R21BFTSM MINGW64 ~/Desktop/mycode/Qt/learning/game_neuradynamia/g
ame_neuradynamia (main)
$ git commit -m "first commit"
[main 1f6c11c] first commit
12 files changed, 768 insertions(+)
create mode 100644 game_neuradynamia.pro
create mode 100644 game_neuradynamia.pro.user
create mode 100644 gametimer.cpp
create mode 100644 gametimer.h
create mode 100644 main.cpp
create mode 100644 mainwindow.cpp
create mode 100644 mainwindow.h
create mode 100644 mainwindow.ui
create mode 100644 other/doc/ReadMe.md
create mode 100644 "other/doc/\345\274\200\345\217\221\346\226\207\346\241\243.
md"
create mode 100644 "\345\256\236\351\252\214\344\270\200 Git&Github.docx"
create mode 100644 "\351\200\232\350\277\207git\344\270\212\344\274\240\350\207
\263github\346\223\215\344\275\234.md"
```

```
Itrains@LAPTOP-R21BFTSM MINGW64 ~/Desktop/mycode/Qt/learning/game_neuradynamia/g
ame_neuradynamia (main)
$ git push -u origin main
Enumerating objects: 17, done.
Counting objects: 100% (17/17), done.
Delta compression using up to 12 threads
Compressing objects: 100% (15/15), done.
Writing objects: 100% (16/16), 20.44 KiB | 5.11 MiB/s, done.
Total 16 (delta 0), reused 0 (delta 0), pack-reused 0
To https://github.com/wfhhisagony/game_neuradynamia.git
113e589..1f6c11c main -> main
branch 'main' set up to track 'origin/main'.
```



## 设置SSH KEY

```
ssh-keygen -t rsa -C ``"youremail@example.com"`` 注意ssh-keygen之间没有空格
```

W:\...> .ssh

名称	修改日期	类型	大小
id_rsa	2022/3/10 20:47	文件	3 KB
id_rsa.pub	2022/3/10 20:47	PUB 文件	1 KB
known_hosts	2022/3/10 20:55	文件	1 KB
known_hosts.old	2022/3/10 20:54	OLD 文件	1 KB



Public profile

Account

Appearance

Accessibility

Notifications

Access

Billing and plans

Emails

Password and authentication

SSH and GPG keys

Organizations

Moderation

SSH keys

New SSH key

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

SSH

Air Desktop Key

Added on 10 Mar 2022

Never used — Read/write

Delete

Check out our guide to [generating SSH keys](#) or troubleshoot [common SSH problems](#).

GPG keys

New GPG key

There are no GPG keys associated with your account.

Learn how to [generate a GPG key](#) and add it to your account.