Discover GitHub with Hexo
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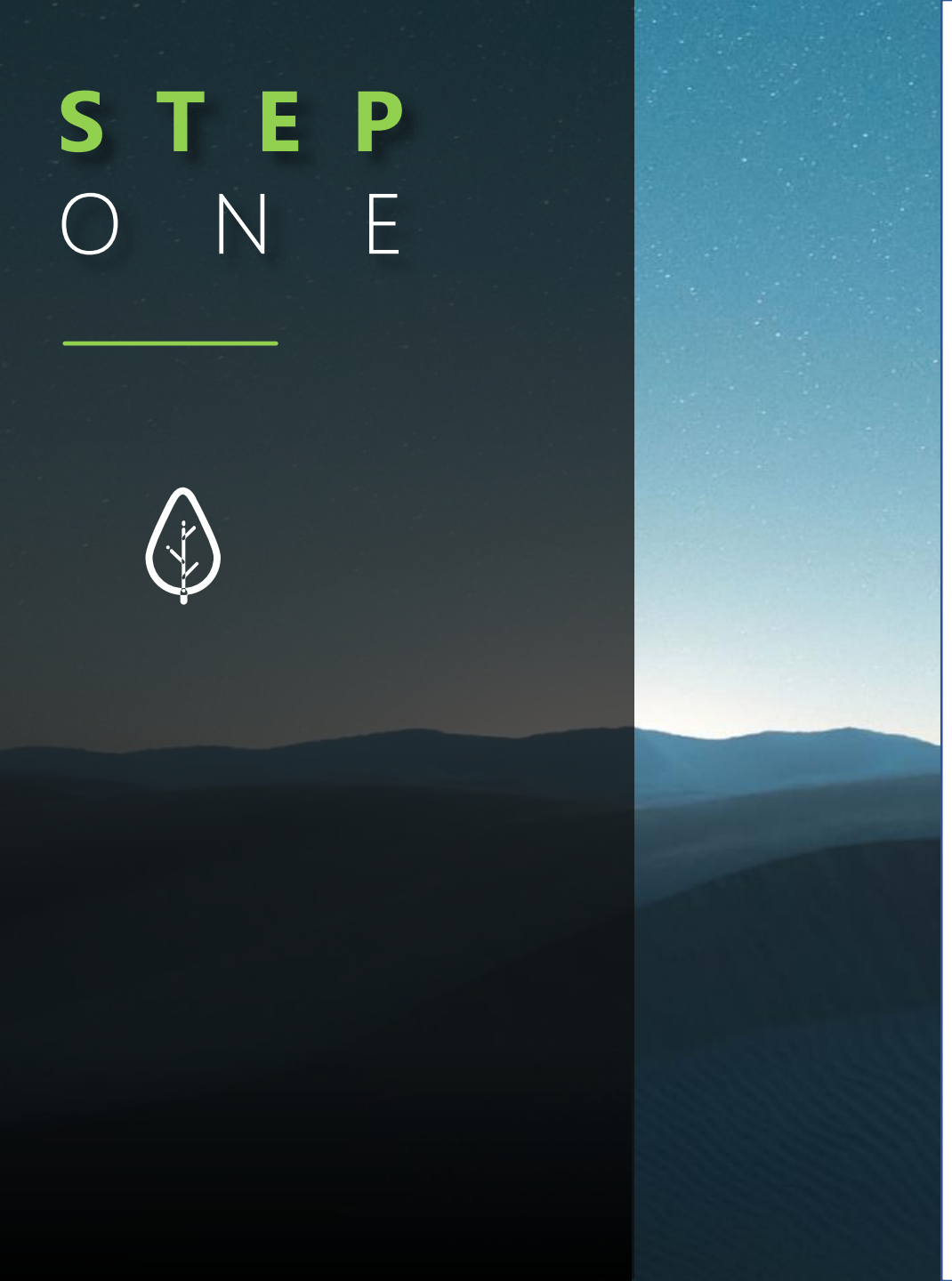
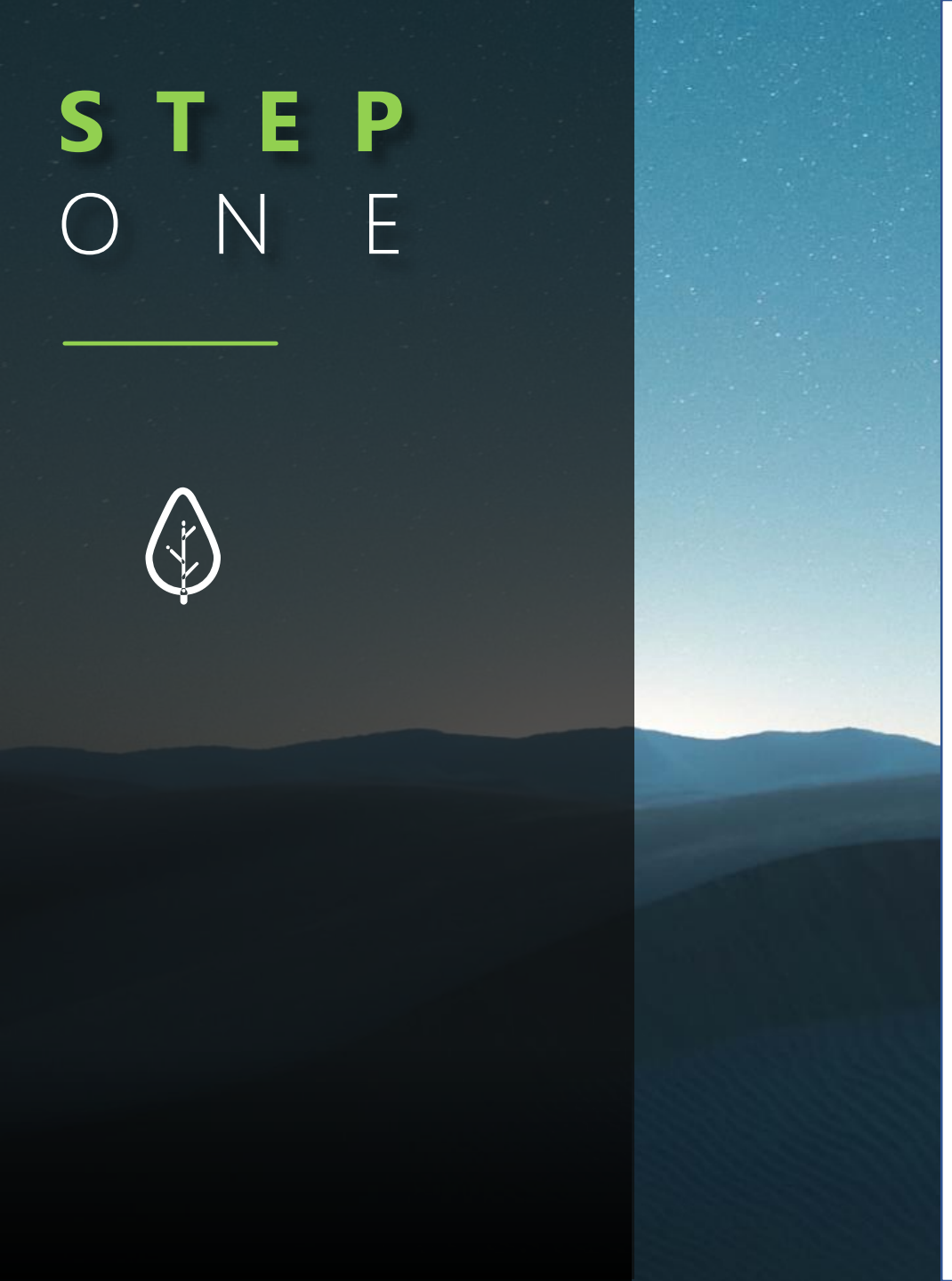


Pre Knowledge:

About Git

A Distributed Version Control System (DVCS):

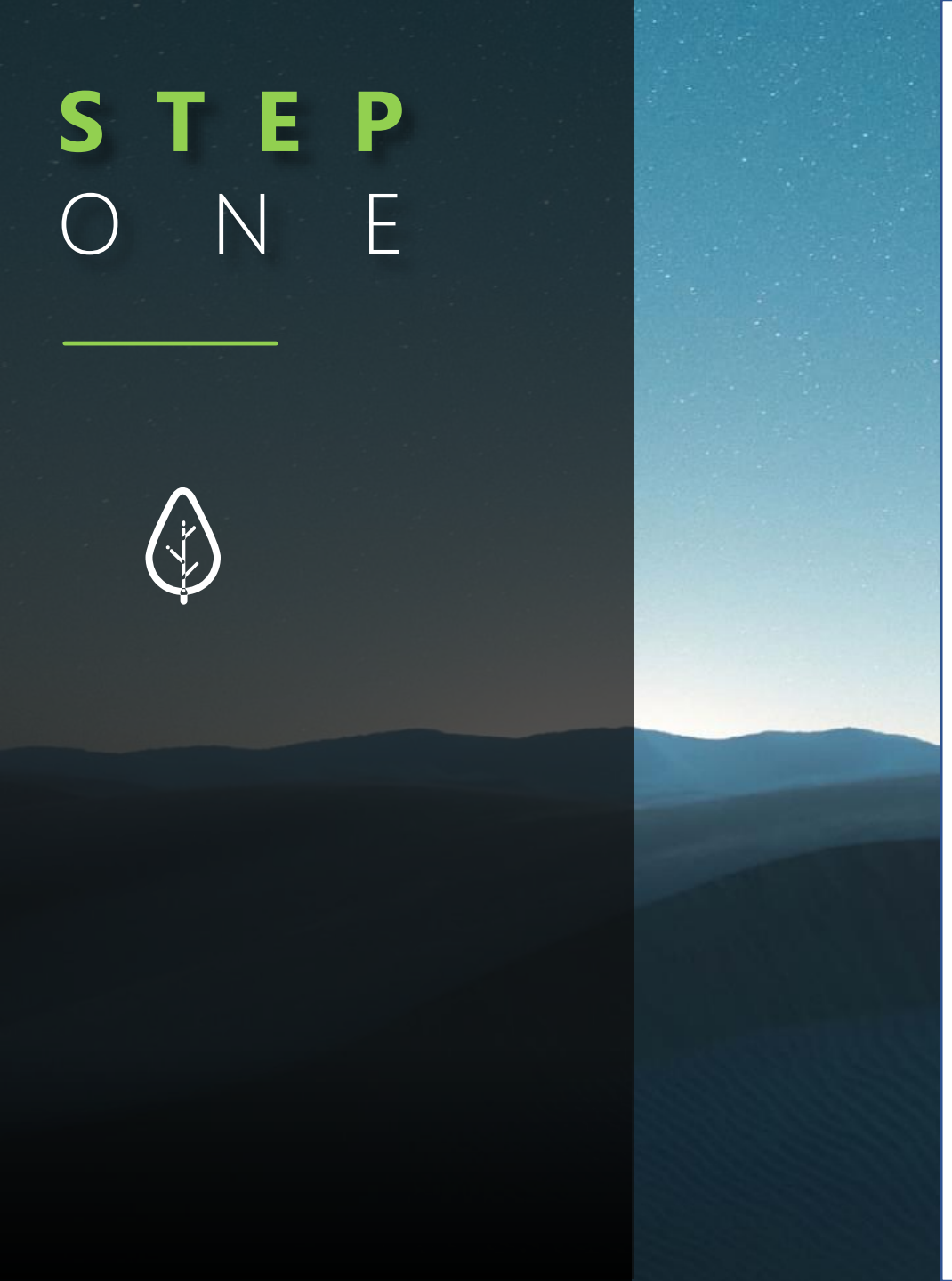
- created by Linus Torvalds
- maintained by Junio Hamano
- since 2005
- Most popular VCS (~30% of developers)



Pre Knowledge:

About GitHub

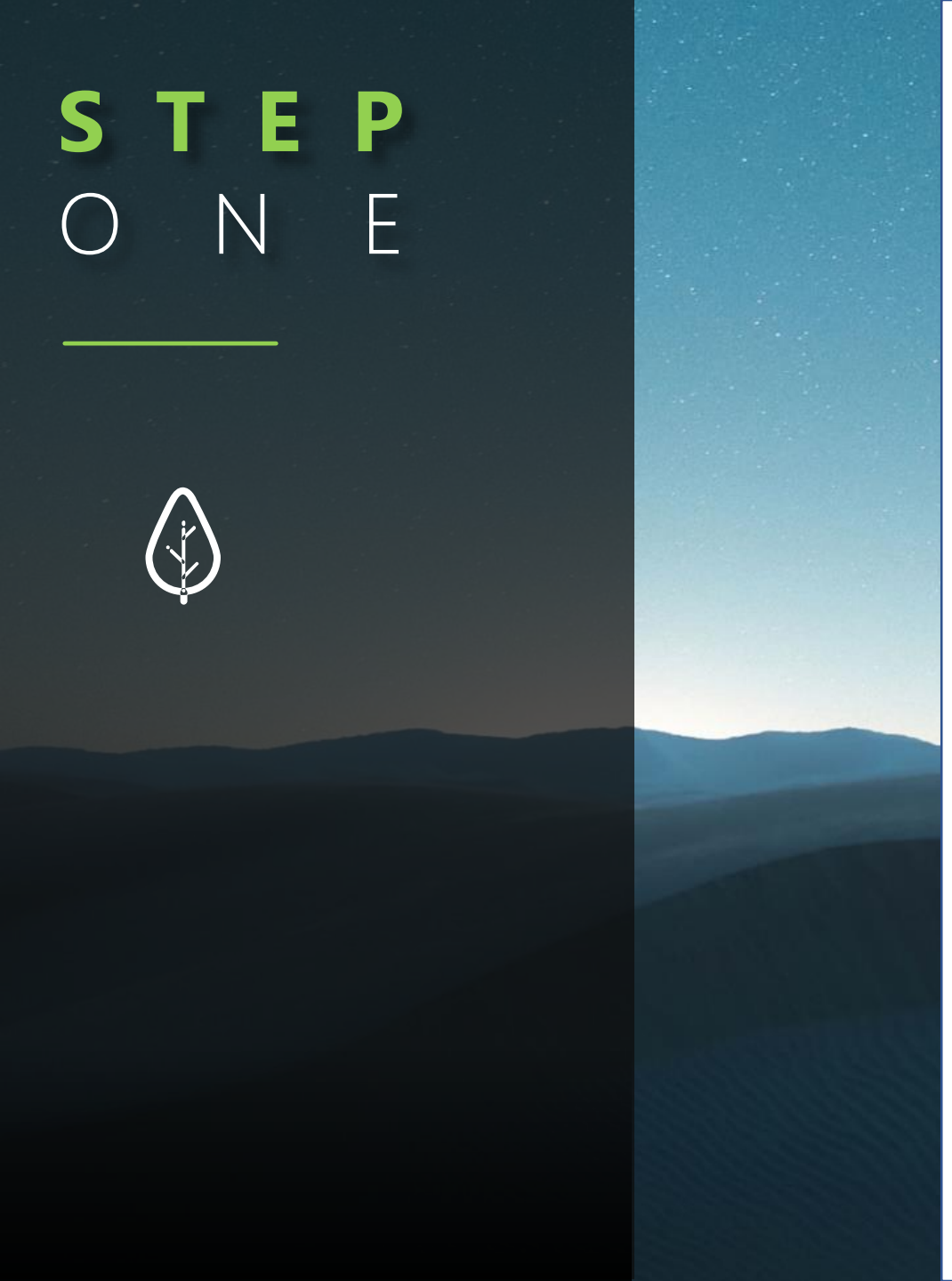
A **web-based** Git repository **hosting service**,which offers all of the distributed revision control and source code management (SCM) functionality of Git as well as adding its own features.



Pre Knowledge:

About Node.js

- Node.js is a JavaScript runtime built on Chrome's V8 JavaScript engine.
- Node.js is free and open source
- Node.js runs on various platforms (Windows, Linux, Unix, Mac OS X, etc.)
- Node.js uses JavaScript on the server



Pre Knowledge:

About HEXO

A fast, simple & powerful blog framework without the specific need of Virtual Private Server (VPS), which allows users to build a website quite easily.

Prepare Environment:

- **Node.js**

https://nodejs.org/en/

- **Git**

https://git-scm.com/

GIT

NodeJS

STEP
THREE

Configurate Hexo:

```
$ npm install –g hexo-cli
$ hexo init
$ npm install
$ hexo server
```

Git Bash

Create A Blank Directory BLOG And Click Into It. Hover Mouse Somewhere Blank. Right Click. Choose Git Bash.

Tips: In case of the low speed to connect to NPM official registry, use Taobao version NPM registry instead.

```
$ npm config set registry http://registry.npm.Taobao.org/
```

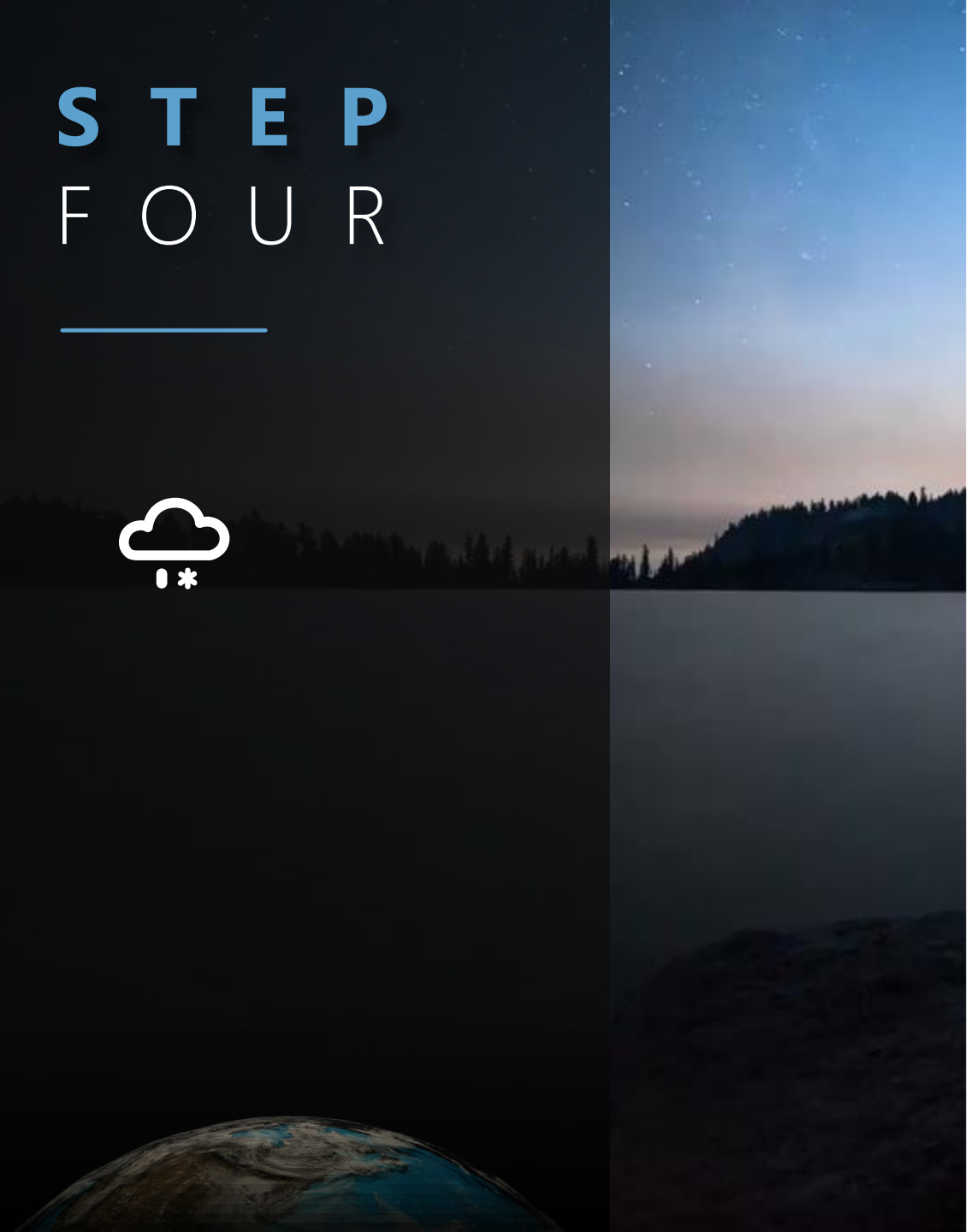
STEP
THREE

Configurate Hexo:

Structure of Hexo Directory

```
.
├── _config.yml      // Site configuration file
├── package.json     // Application data related to NPM
├── scaffolds        // Scaffold folder
├── source           // Where the site's article is stored
│   ├── _drafts      //  article drafts not to publish
│   └── _posts       //  article posts to publish
└── themes           // Theme folder, store web resources
```

The place to store our own web content files



STEP
FOUR

Connect GitHub:

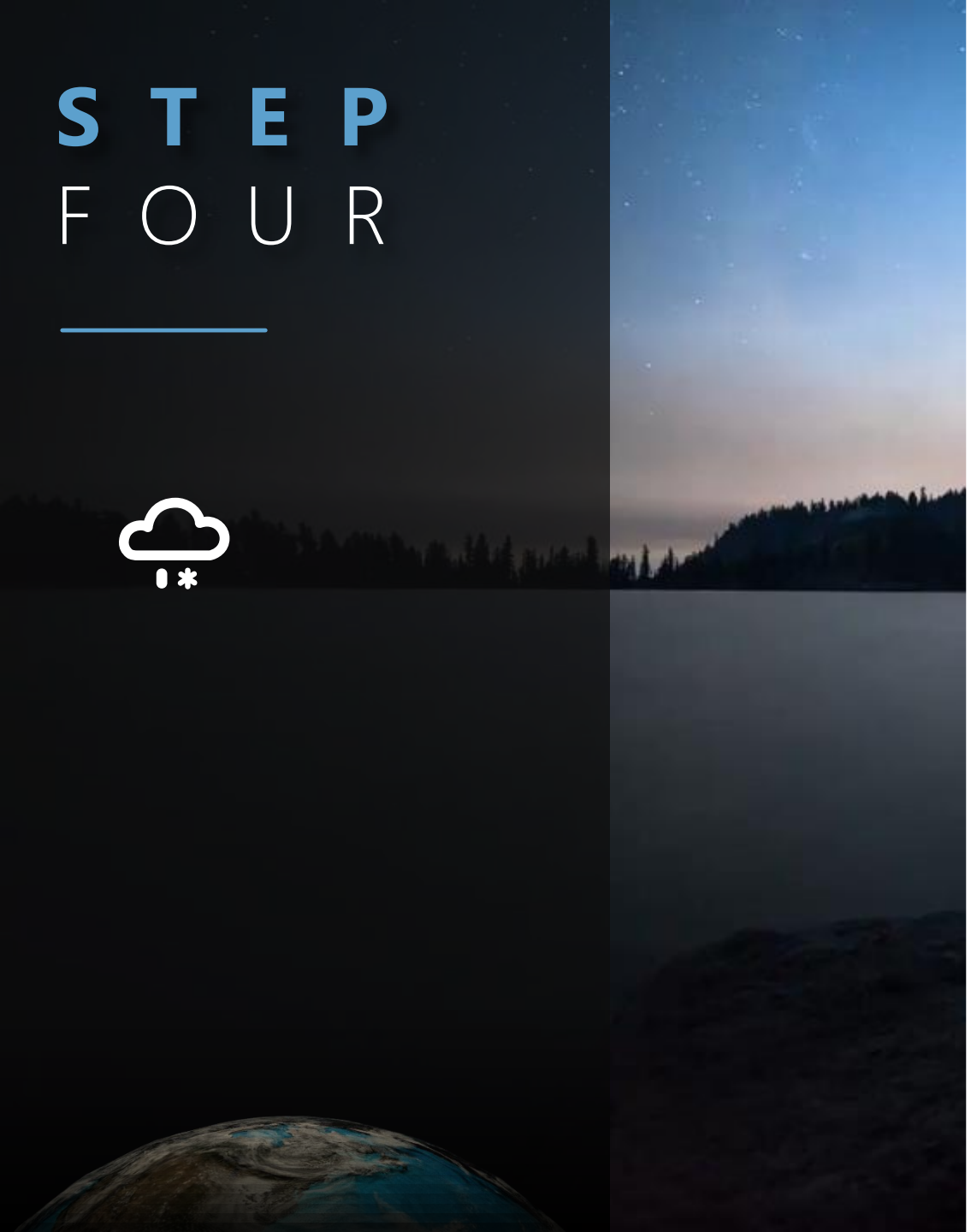
Shake Hands via SSH/RSA

```
$ ssh-keygen -t rsa -C “email@qq.com“
```

Paste id_rsa.pub to GitHub

Test the Connection

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



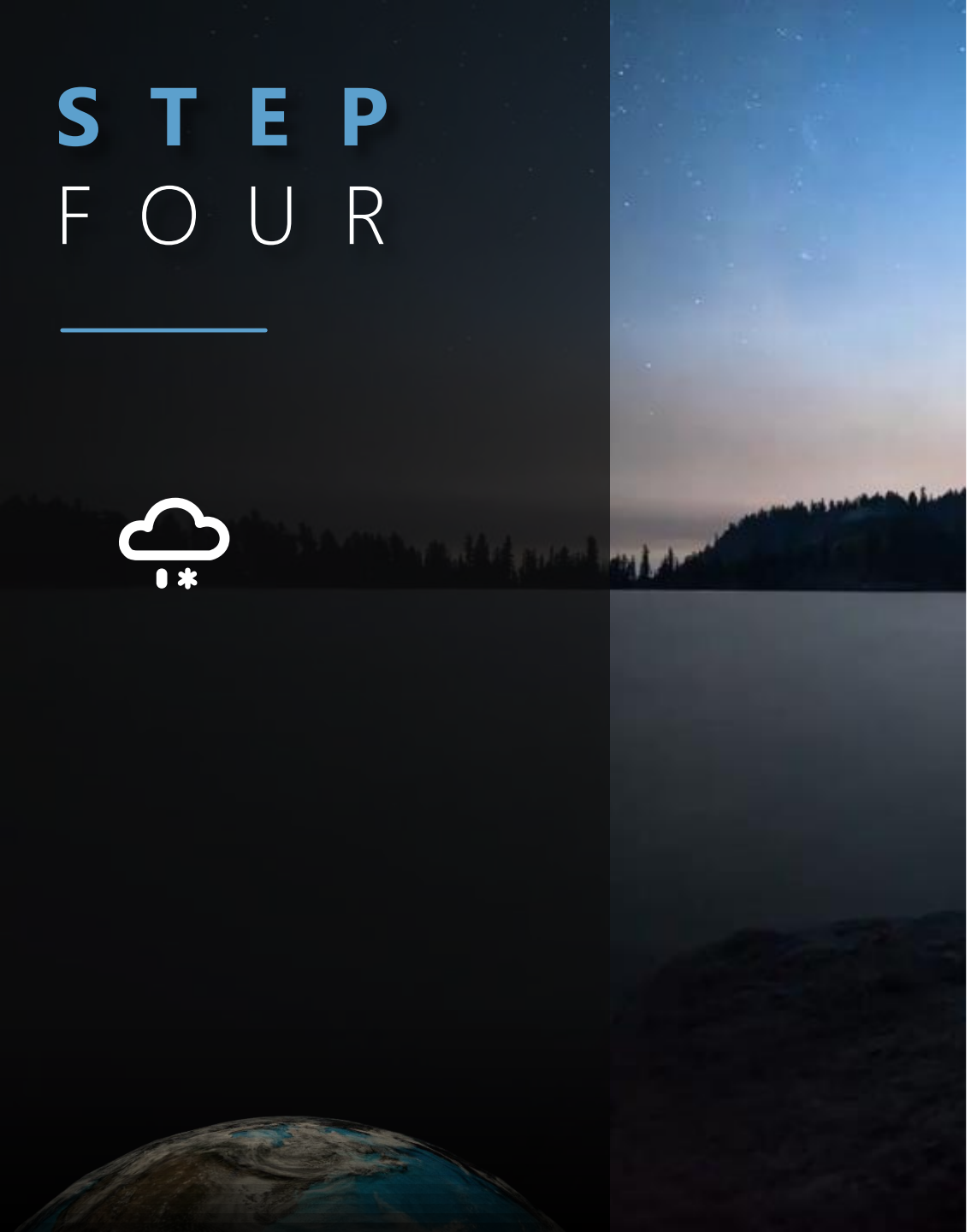
STEP
FOUR

Connect GitHub:

Config User Information in Git:

$ git config --global user.name "username"

$ git config --global user.email "email"



STEP
FOUR

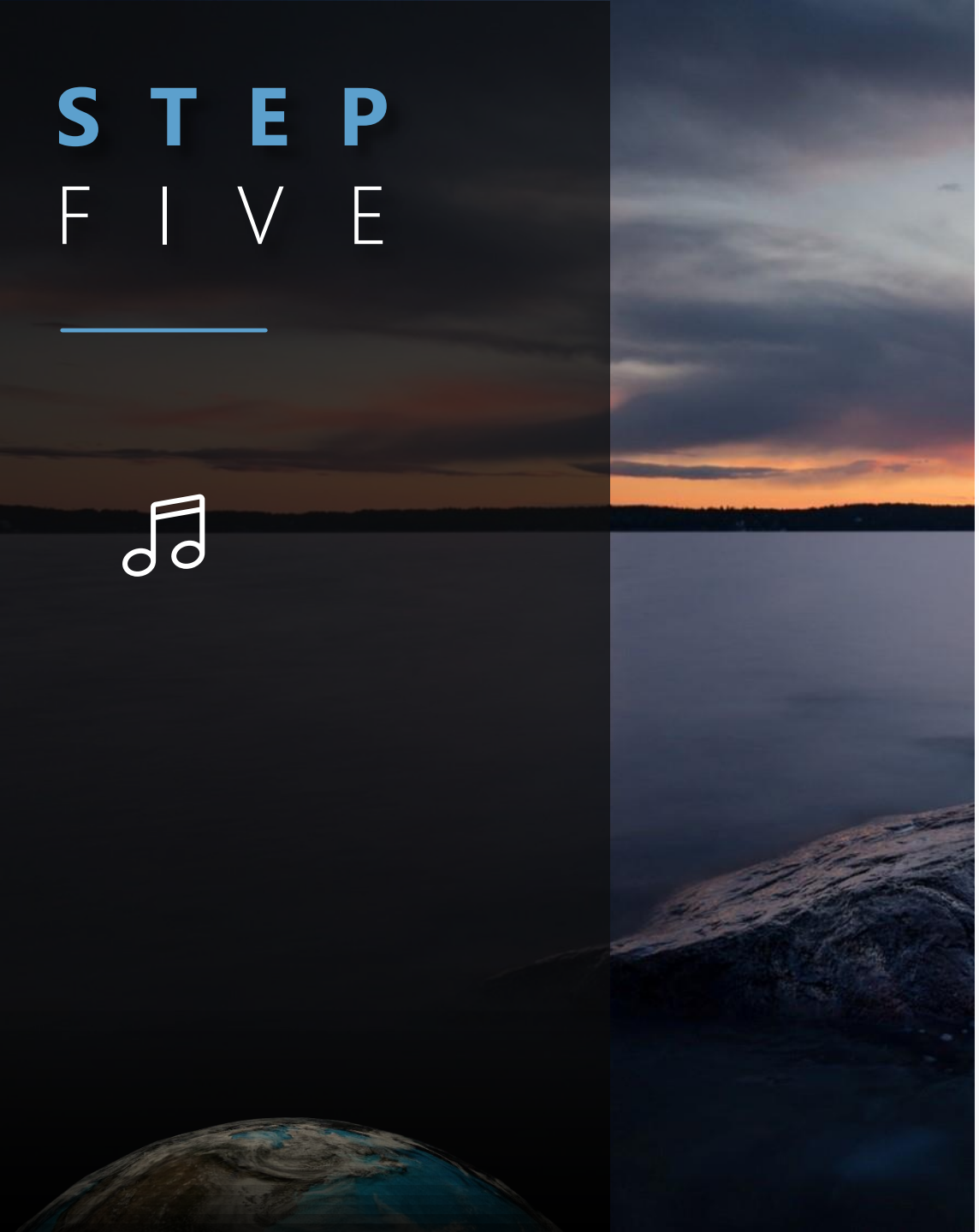
Connect GitHub:

In GitHub, create a repository

named as your username plus github.io, like

Username/Username.github.io

Attention! The repository has to be named as Username.github.io, otherwise it would not directly work on https://username.github.io



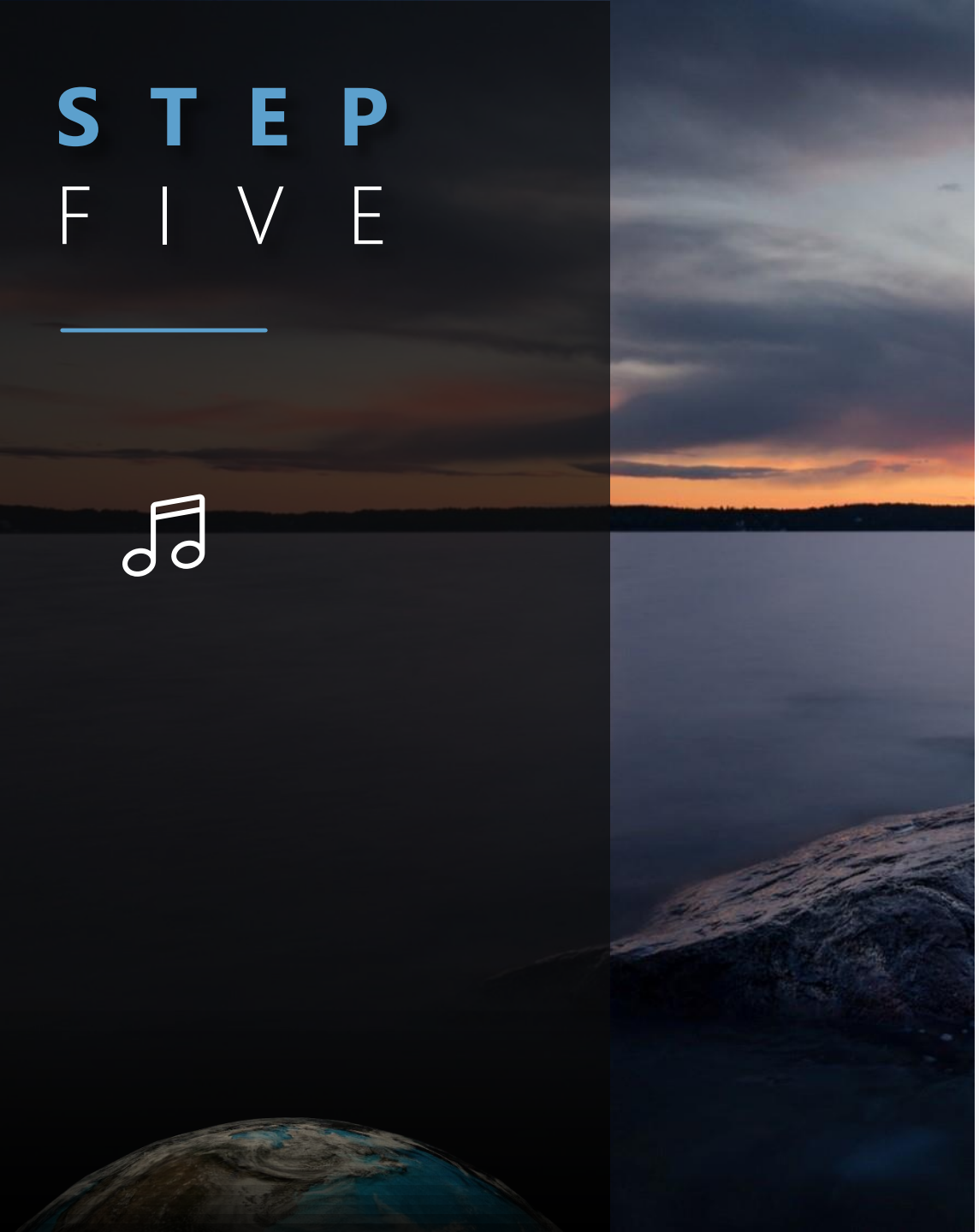
STEP
FIVE

Deploy Website:

Click into BLOG directory, and find _config.yml. Open it with your editor, and supplement some information in the end of the file as shown below.

```yaml
# Config /BLOG/_config.yml
deploy:
  type: git
  repo: git@github.com:Username/Username.github.io.git
  branch: master
```

yml

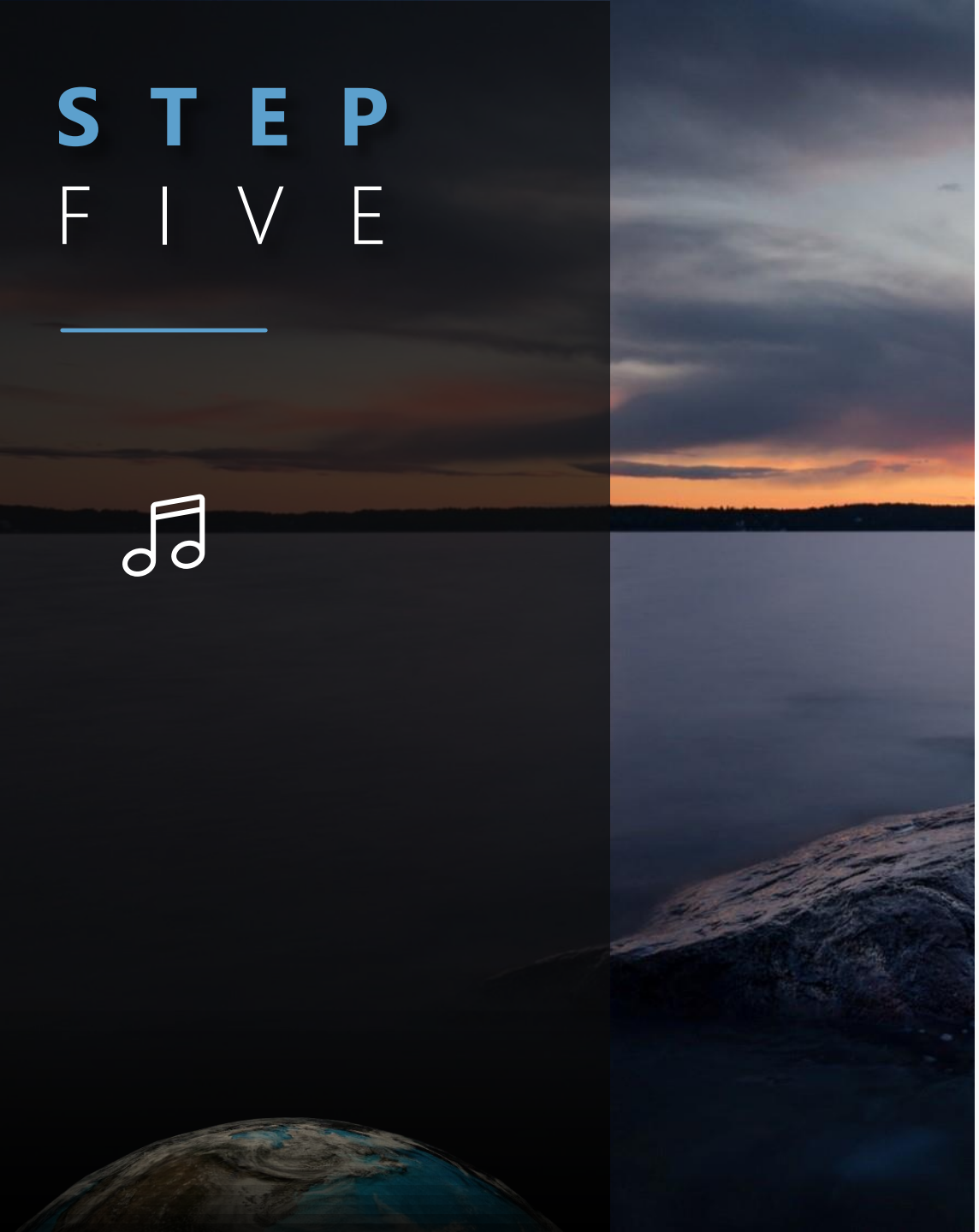


Deploy Website:

Turn to Git Bash

Download hexo-deployer-git Component:

```
$ npm install hexo-deployer-git --save
```



STEP
FIVE

Deploy Website:

Turn to Git Bash

```bash
$ hexo clean
$ hexo generate
$ hexo deploy
```

bash

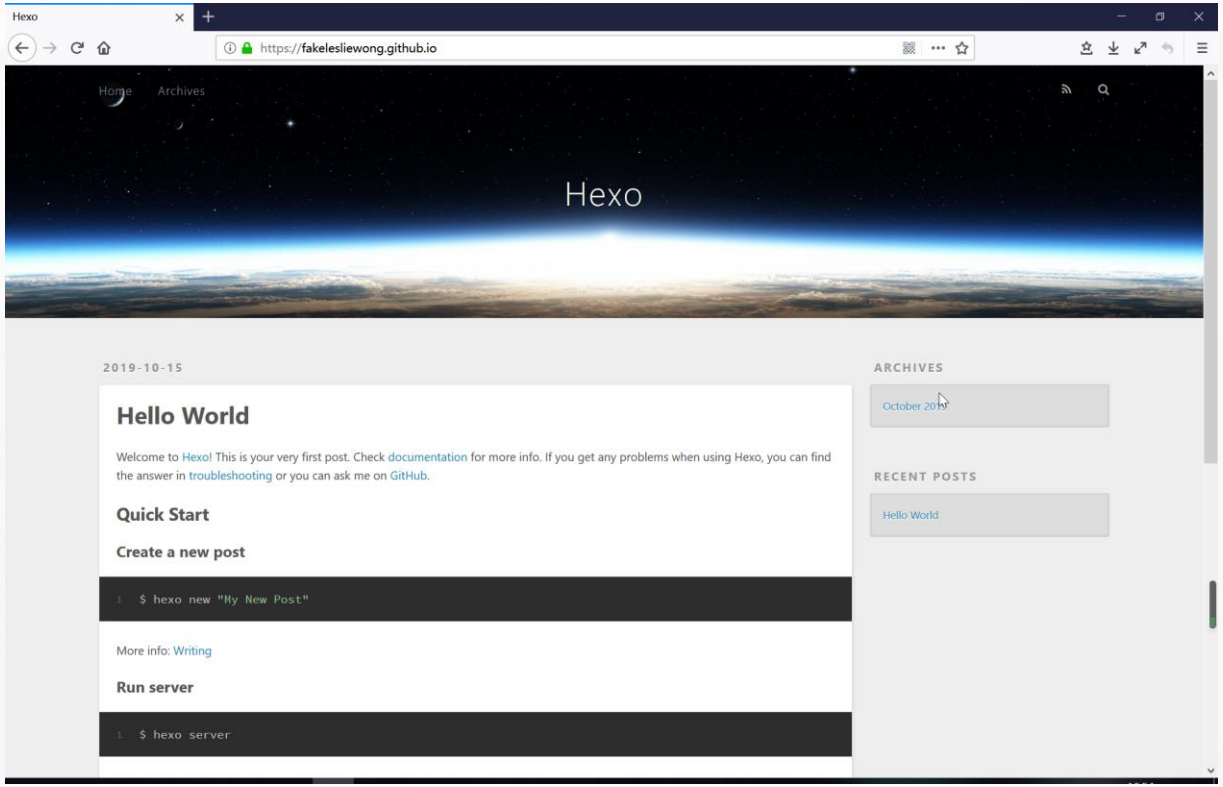
hexo server to test locally is suggested.

STEP
FIVE

Deploy Website:

Result of Deployment:

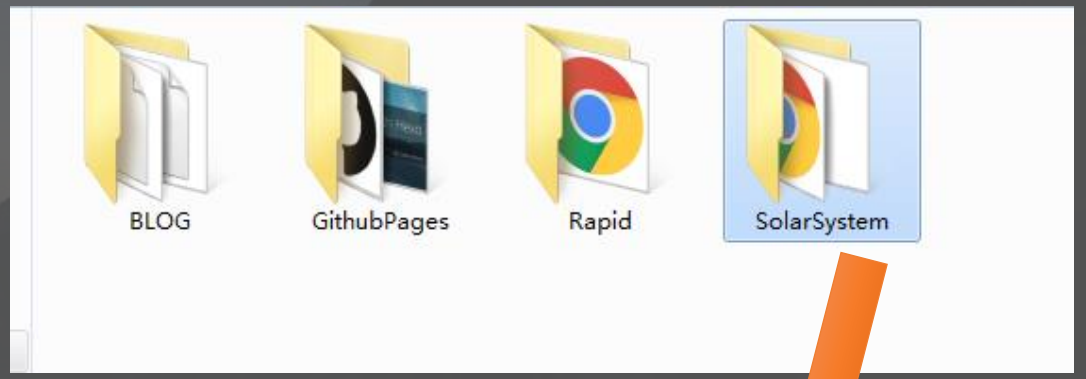
https://fakelesliewong.github.io/



STEP
SIX

Deploy Solar System:

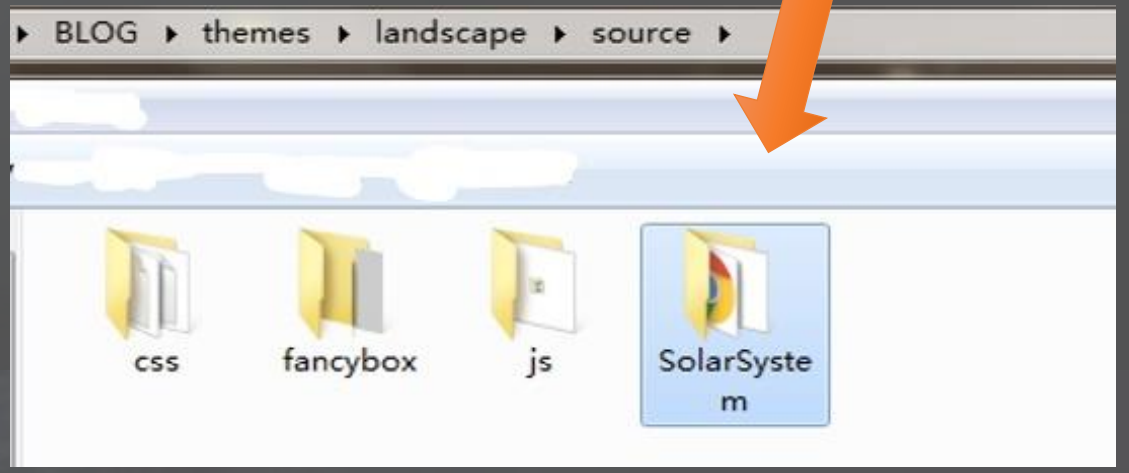
Copy SolarSystem files, and name the html file inside it as index.html.



Copy & Paste

Then in Git Bash

```
$ hexo clean
$ hexo generate
$ hexo deploy
```

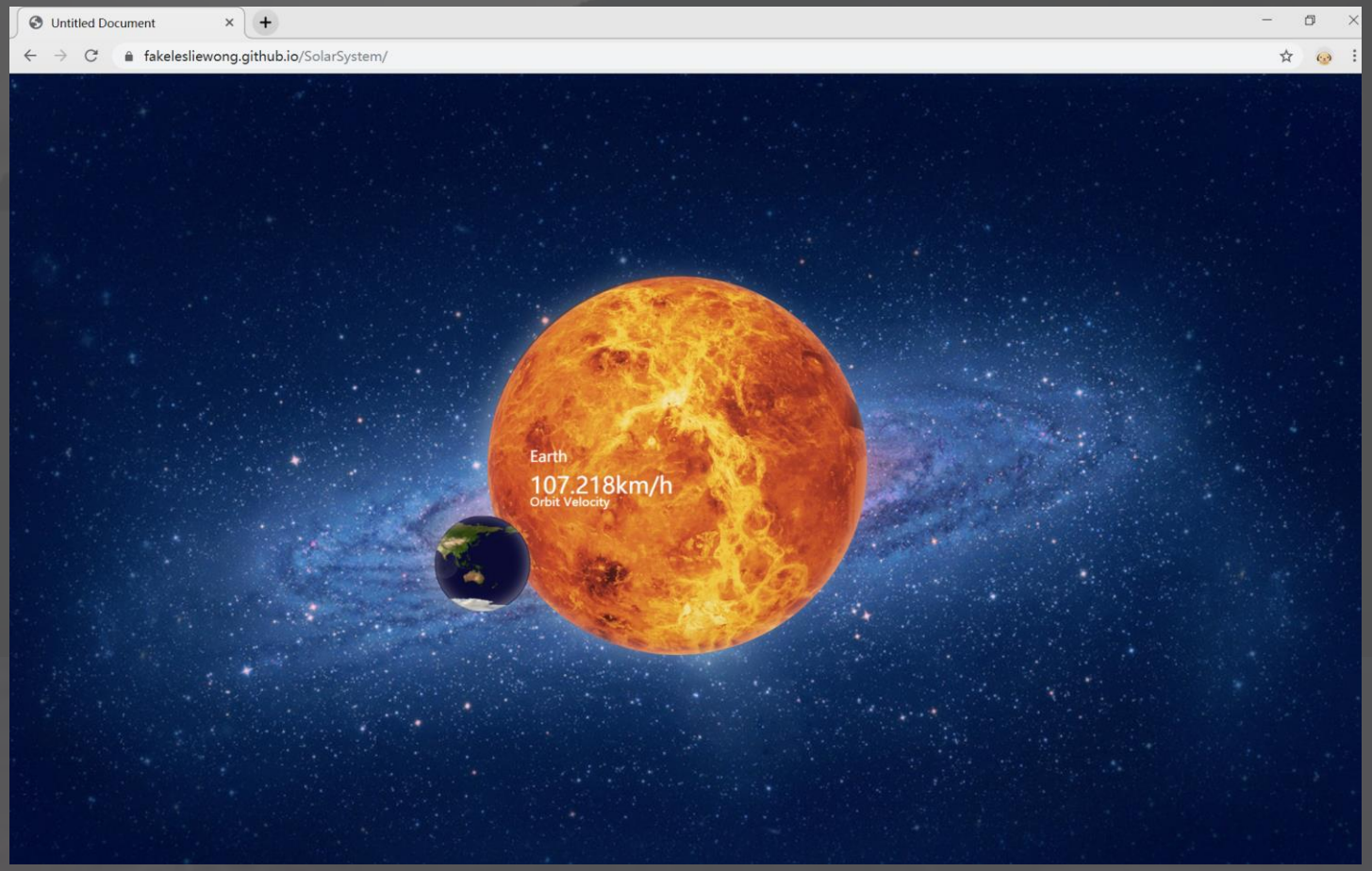


STEP
SIX

Deploy Solar System:

Result of Deployment:

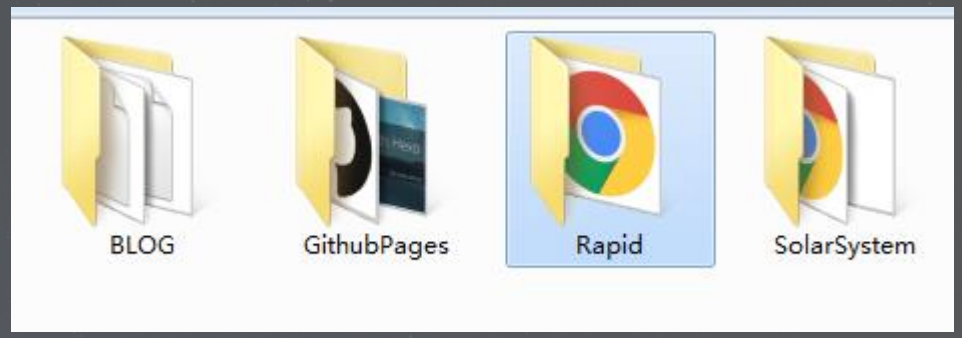
https://fakelesliewong.github.io/SolarSystem/

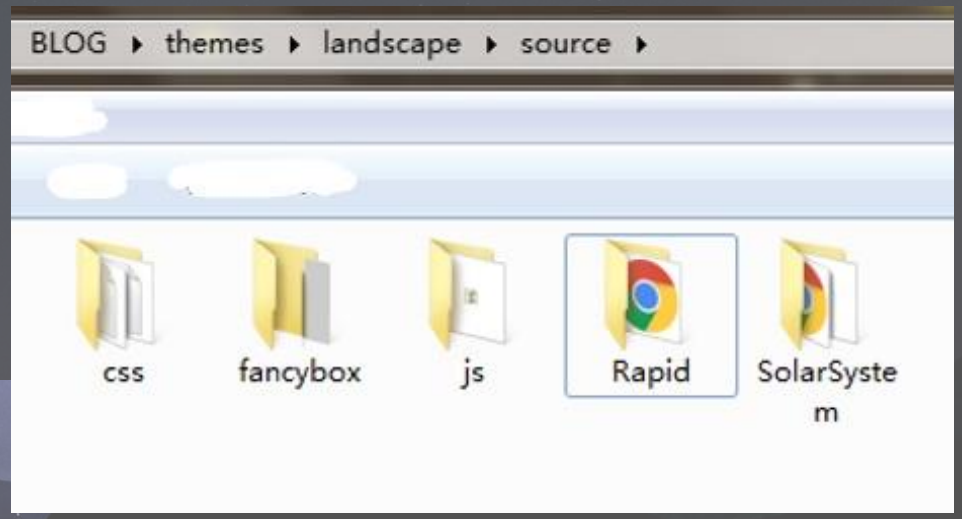


STEP SEVEN

Deploy Bootstrap Template:

Copy Bootstrap template directory, and keep in mind the index.html inside it.





Then in Git Bash

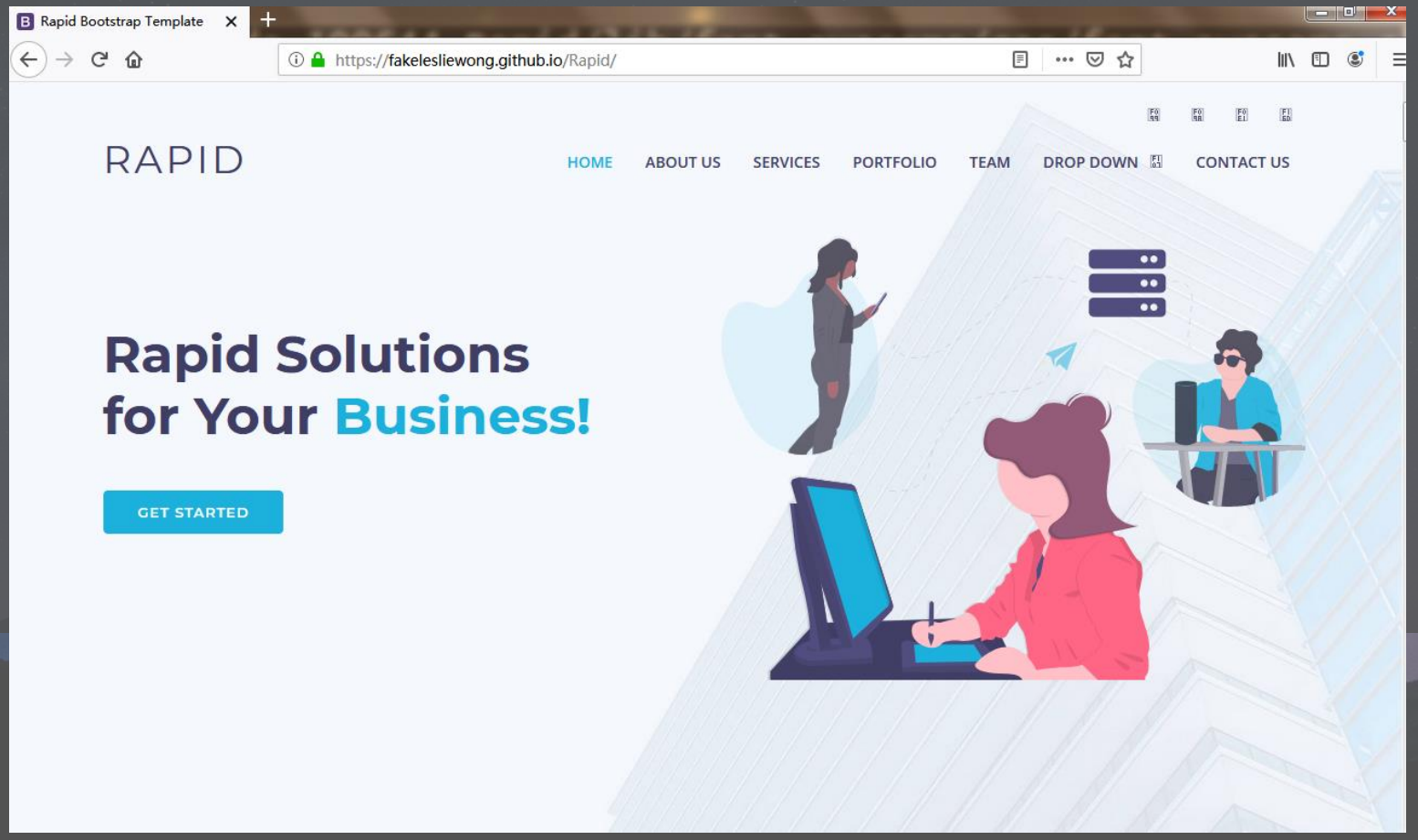
```
$ hexo clean
$ hexo generate
$ hexo deploy
```

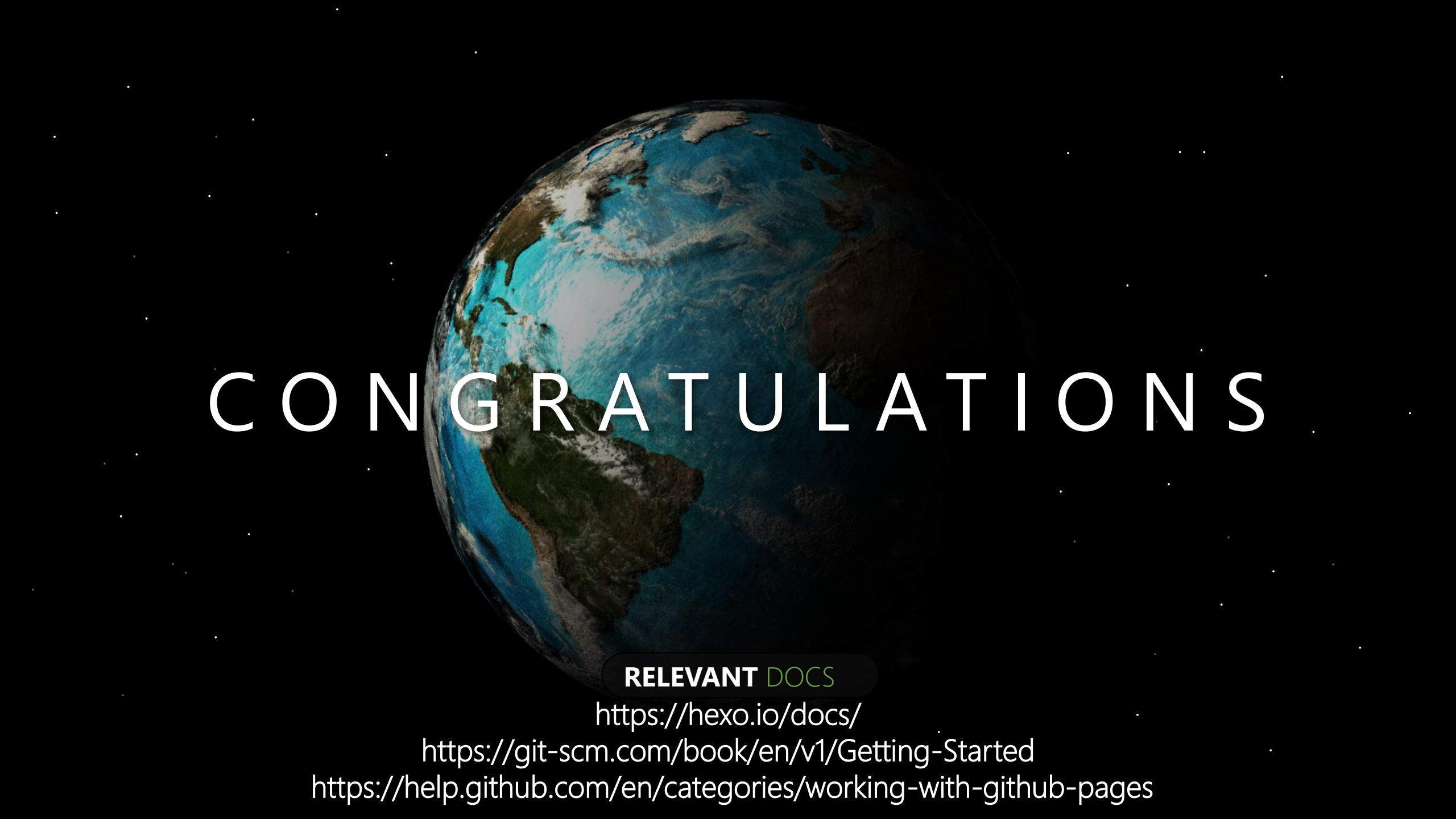
STEP SEVEN

Deploy Bootstrap Template:

Result of Deployment:

https://fakelesliewong.github.io/Rapid/





RELEVANT DOCS

https://hexo.io/docs/

https://git-scm.com/book/en/v1/Getting-Started

https://help.github.com/en/categories/working-with-github-pages