

Lab 3 Report

Course: Cloud_Computing

Student: ZhengYang

GitHub Repo: *yangzheng.github.io — Repository for personal website project using GitHub Pages*

Date: 2025.10.14

1. Components and Tools

Platform: GitHub Pages (Static Web Hosting PaaS)

Personal Computer (Node): laptop

Software/Tools:

GitHub Web Interface

VS Code / Text Editor

Web Browser (for testing and preview)

Configuration Files:

`index.html` — Home page (personal introduction)

2. Procedures

Step 1: Create GitHub Account

A GitHub account was created at <https://github.com>.

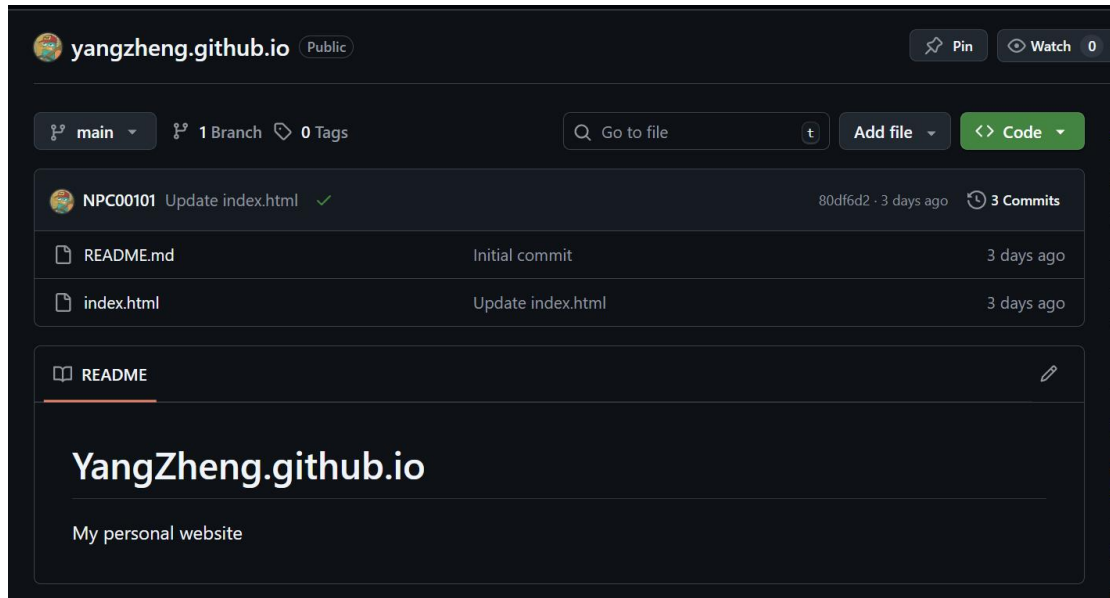
This account will be used for version control and web hosting.



Step 2: Create Repository

A new public repository named **username.github.io** was created, where *username* is my GitHub username.

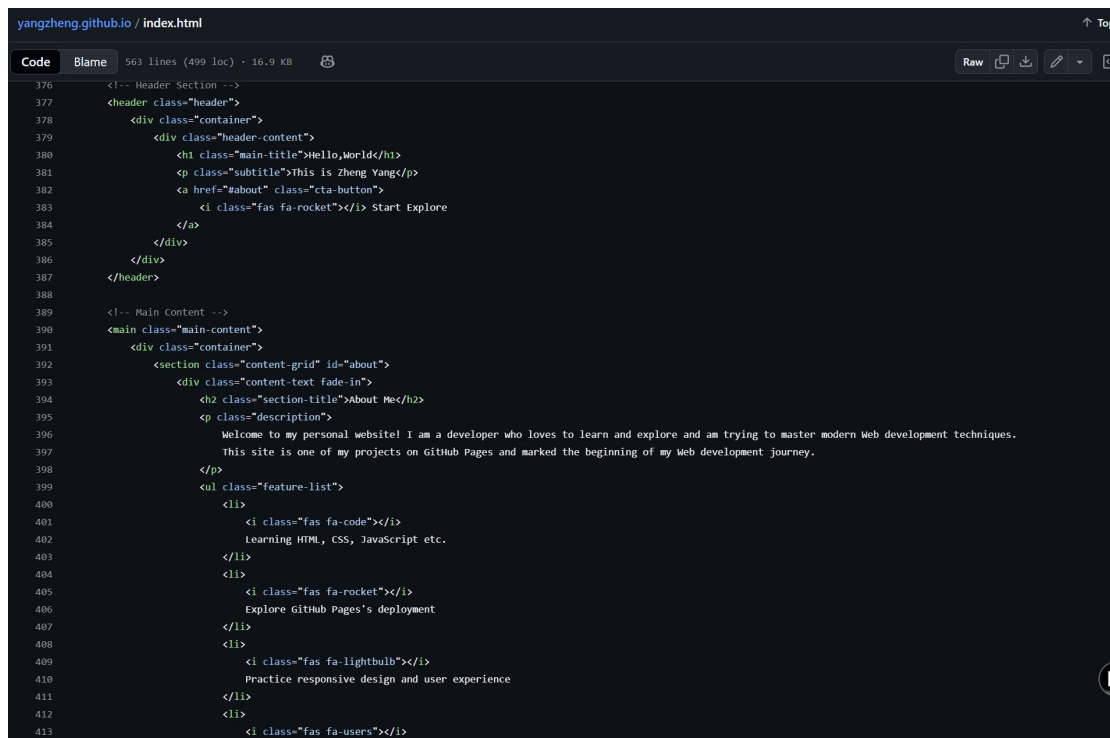
Repository name: `zhengyang.github.io`



Step 3: Add Website Files

An `index.html` file was created to serve as the home page.

This file contains a brief self-introduction, contact info, and a short description of interests.



(part of the html codes)

Step 4: Commit and Push Files

Using Git or the GitHub interface, all files were uploaded to the repository and committed to the **main** branch.

NPC00101 Update index.html ✓ 80df6d2 · 3 days ago 3 Commits		
README.md	Initial commit	3 days ago
index.html	Update index.html	3 days ago

Step 5: Enable GitHub Pages

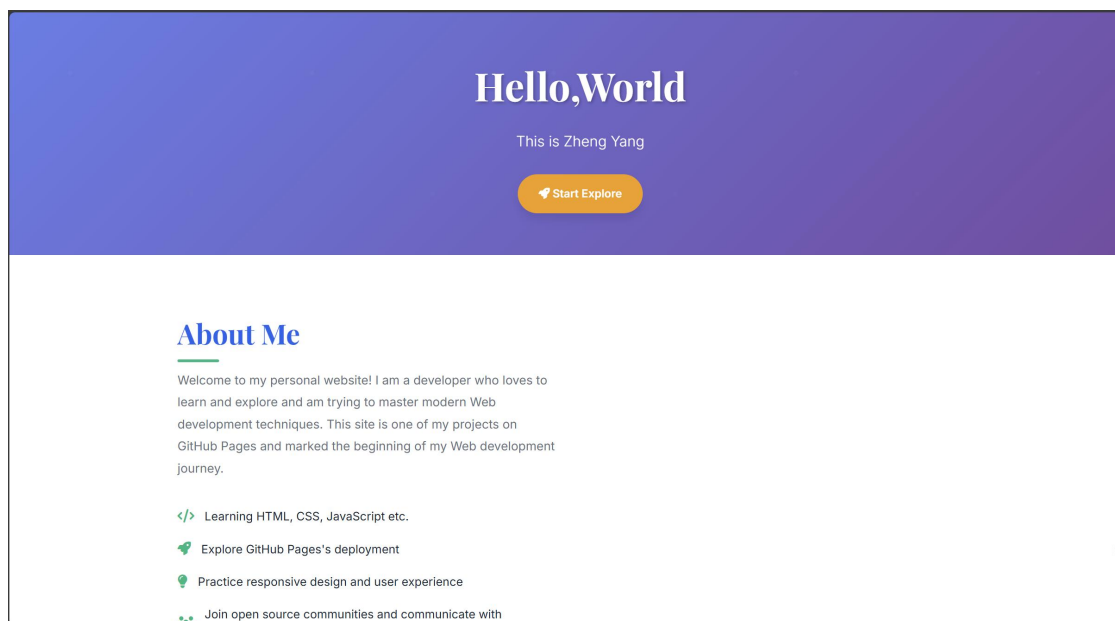
In the repository **Settings** → **Pages**, the **Source** was set to `Deploy from branch: main` and `/ (root)` folder. After a few minutes, the website became accessible at [ZhengYang's personal website](#)

3. Result and Verification

Website successfully deployed and publicly accessible.



Verified by visiting <https://username.github.io> in a browser.



Repository is publicly available and version-controlled.

4. Conclusion

This lab demonstrated how to host a static website using **GitHub Pages** without server management.

Key takeaways include:

PaaS Simplicity: GitHub Pages automates hosting and deployment for static content.

Version Control Integration: Git simplifies publishing and managing web files.

Professional Development: Building a personal website enhances digital presence and web literacy.