



HOW TO CREATE A PORTOFOLIO

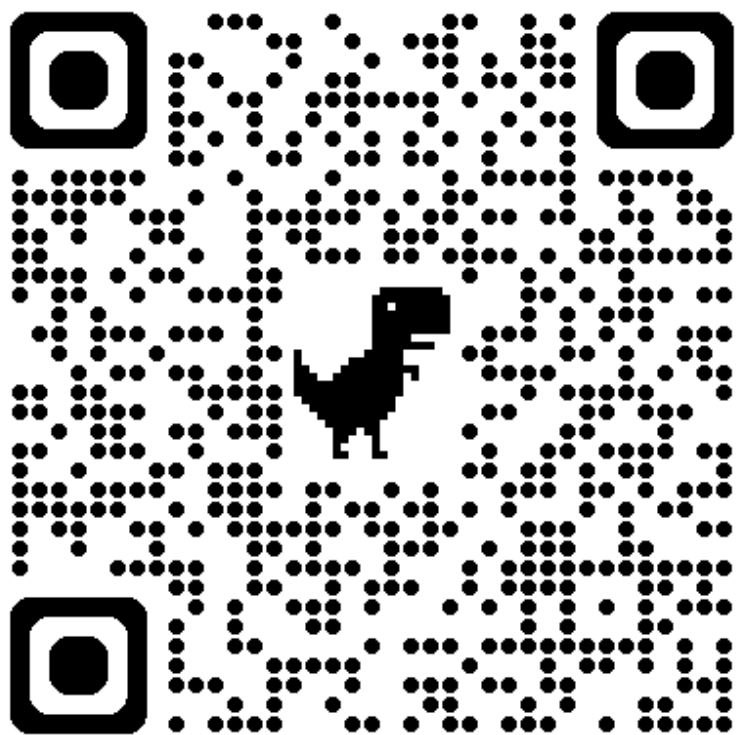
Yi Zhang-Northeastern University

Choosing a Python Web Framework

Tech Stacks	Use Cases	Deployment Platform
Streamlit	Data visualization, Web page	Streamlit Cloud, Heroku
Flask	Web page, API	Heroku, Vercel, GitHub Pages(Static pages)
Django	Large website, management system	Heroku, Render, PythonAnywhere
FastAPI	High-Performance API, Asynchronous Web	Heroku, Render, Fly.io, Vercel

Simplicity

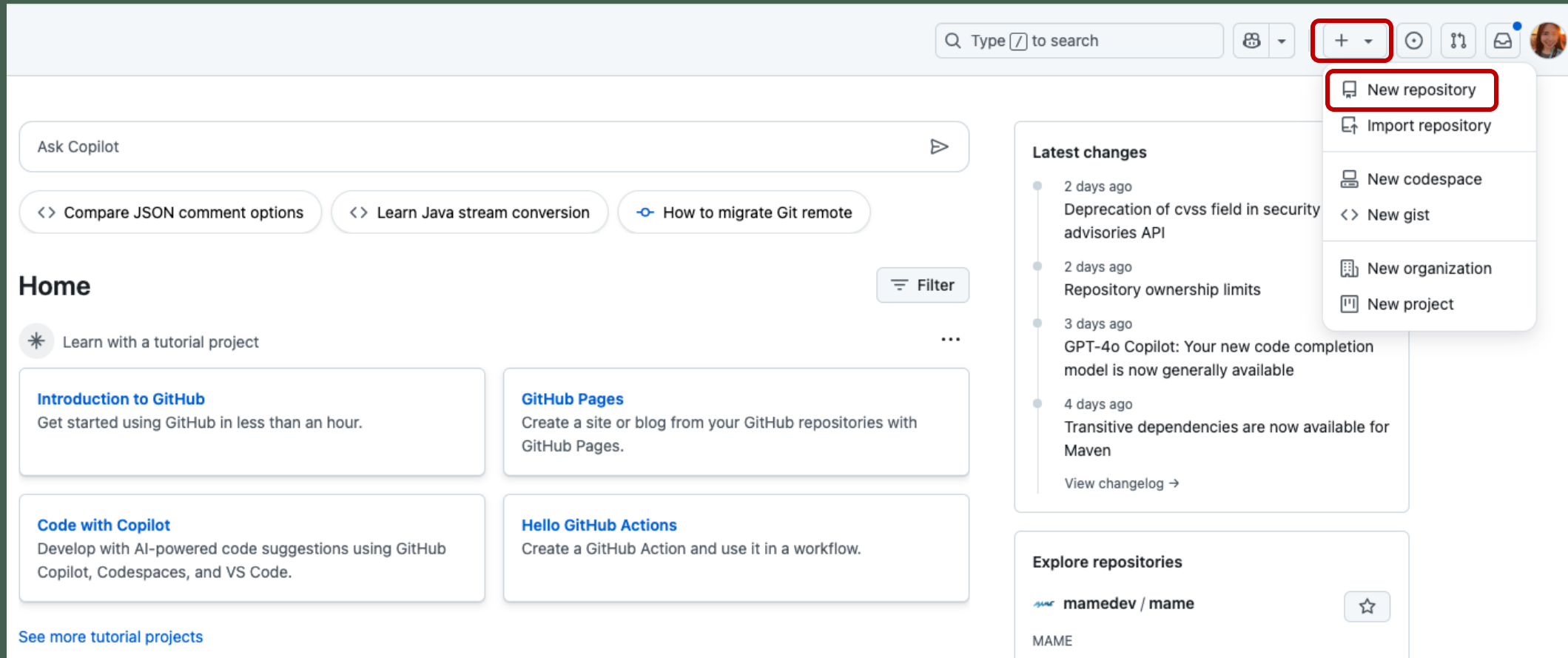




Reference

1. [Yi's Portfolio](#)
2. [Streamlit + GitHub Codespaces Tutorial](#)
3. [Streamlit API Reference/Syntax](#)
4. [Free icons for download](#)
5. [Figma-Linkedin Learning](#)(Use if needed)

GitHub Codespaces + Streamlit Tutorial(Image sequence follows a left-to-right, top-to-bottom order.)



The screenshot shows the GitHub homepage. At the top, there is a search bar with the text "Type / to search". To the right of the search bar is a navigation bar containing several icons: a plus sign (highlighted with a red box), a clock, a fork icon, a mail icon, and a user profile picture. A dropdown menu is open from the plus sign icon, showing options: "New repository" (highlighted with a red box), "Import repository", "New codespace", "New gist", "New organization", and "New project".

Below the navigation bar, the main content area is divided into several sections:

- Ask Copilot**: A search bar with a magnifying glass icon.
- Home**: A section with a "Filter" button and a "Learn with a tutorial project" link.
- Introduction to GitHub**: A card with the text "Get started using GitHub in less than an hour."
- GitHub Pages**: A card with the text "Create a site or blog from your GitHub repositories with GitHub Pages."
- Code with Copilot**: A card with the text "Develop with AI-powered code suggestions using GitHub Copilot, Codespaces, and VS Code."
- Hello GitHub Actions**: A card with the text "Create a GitHub Action and use it in a workflow."
- Latest changes**: A section showing a list of recent updates, including "Deprecation of cvss field in security advisories API", "Repository ownership limits", "GPT-4o Copilot: Your new code completion model is now generally available", and "Transitive dependencies are now available for Maven".
- Explore repositories**: A section showing a list of repositories, including "mamedev / mame" and "MAME".


At the bottom left, there is a link "See more tutorial projects".

Create a new repository

A repository contains all project files, including the revision history. Already have a project repository elsewhere? [Import a repository](#).

Required fields are marked with an asterisk (*).

Owner *

 YiZhang527 ▾



Repository name *

portfolio-example

✓ portfolio-example is available.

Great repository names are short and memorable. Need inspiration? How about [special-waddle](#) ?

Description (optional)

- ☒  **Public**
Anyone on the internet can see this repository. You choose who can commit.
- ☐  **Private**
You choose who can see and commit to this repository.

Initialize this repository with:

- ☐ Add a README file
This is where you can write a long description for your project. [Learn more about READMEs](#).

Add .gitignore

.gitignore template: None ▾

Choose which files not to track from a list of templates. [Learn more about ignoring files](#).

Choose a license

License: None ▾

A license tells others what they can and can't do with your code. [Learn more about licenses](#).

 You are creating a public repository in your personal account.

Create repository



portfolio-example

Public



Start coding with Codespaces

Add a README file and start coding in a secure, configurable, and dedicated development environment.

Create a codespace

Create codespace

Get started with development in the cloud from an existing repository or a template. [Find out more about codespaces](#).

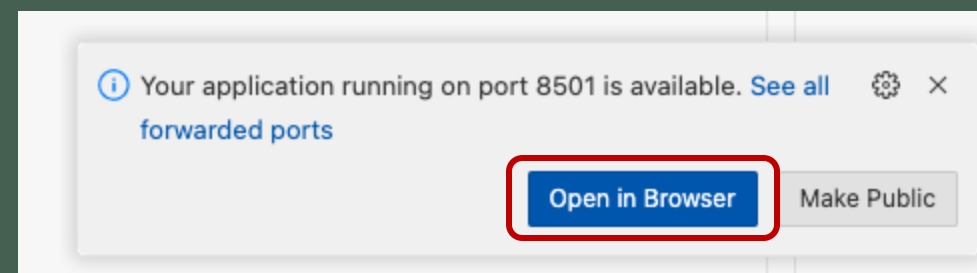
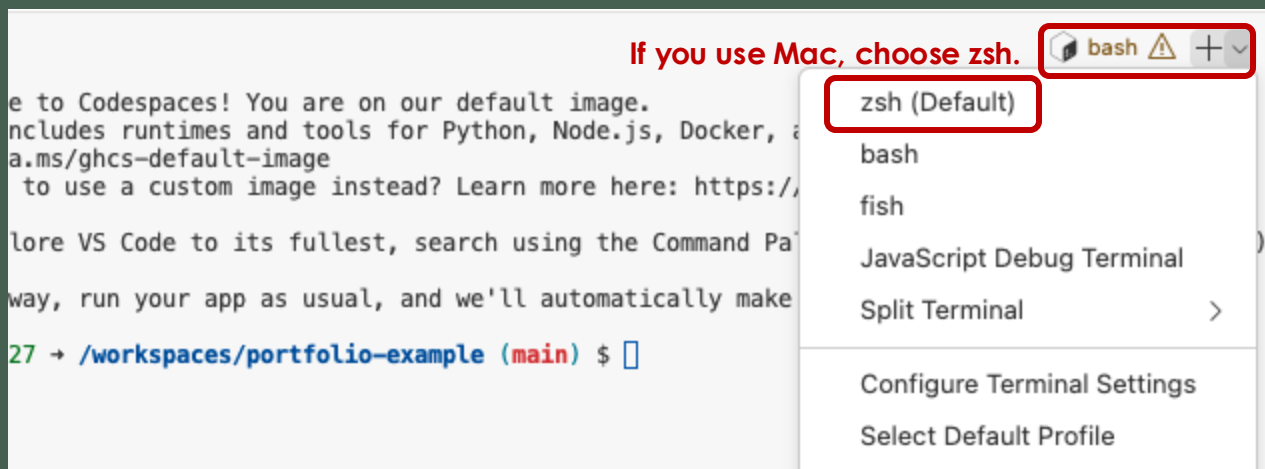
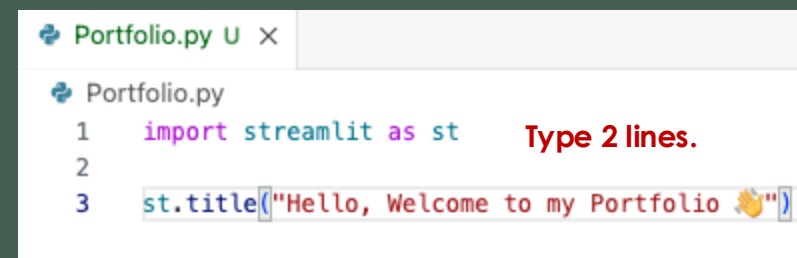
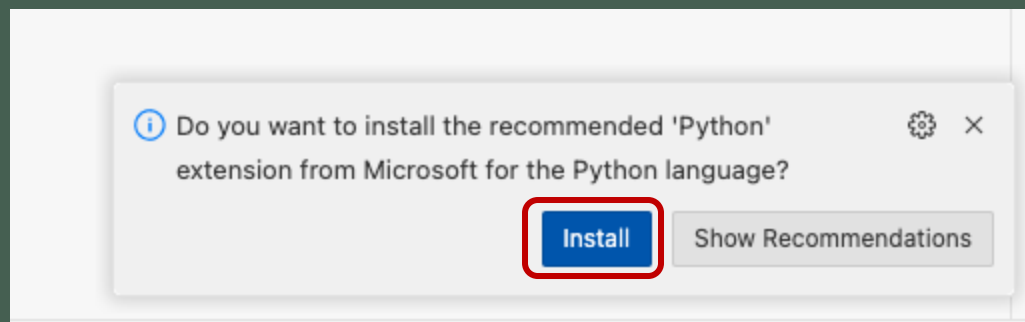
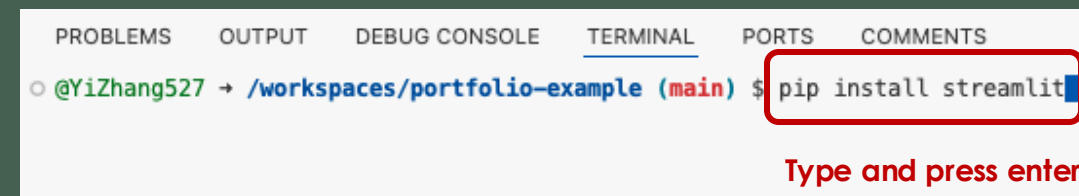
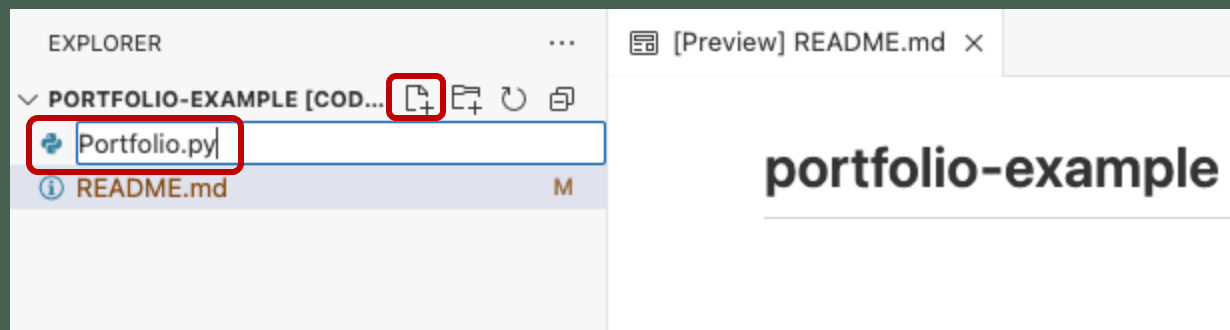
 YiZhang527/portfolio-example

Start coding

Add a README file and start coding in a secure, configurable, and dedicated development environment.

Create new codespace

Choose either Public or Private based on your project's needs and whether you want to share it openly.



Note: This is a simple tutorial and does not cover automatic installation. Please search for it on your own.

Hello, Welcome to my Portfolio 🖐️

Congratulations on successfully running! 🖐️

Note: The webpage is not public at this moment, and will be deployed to Streamlit Cloud at the end.

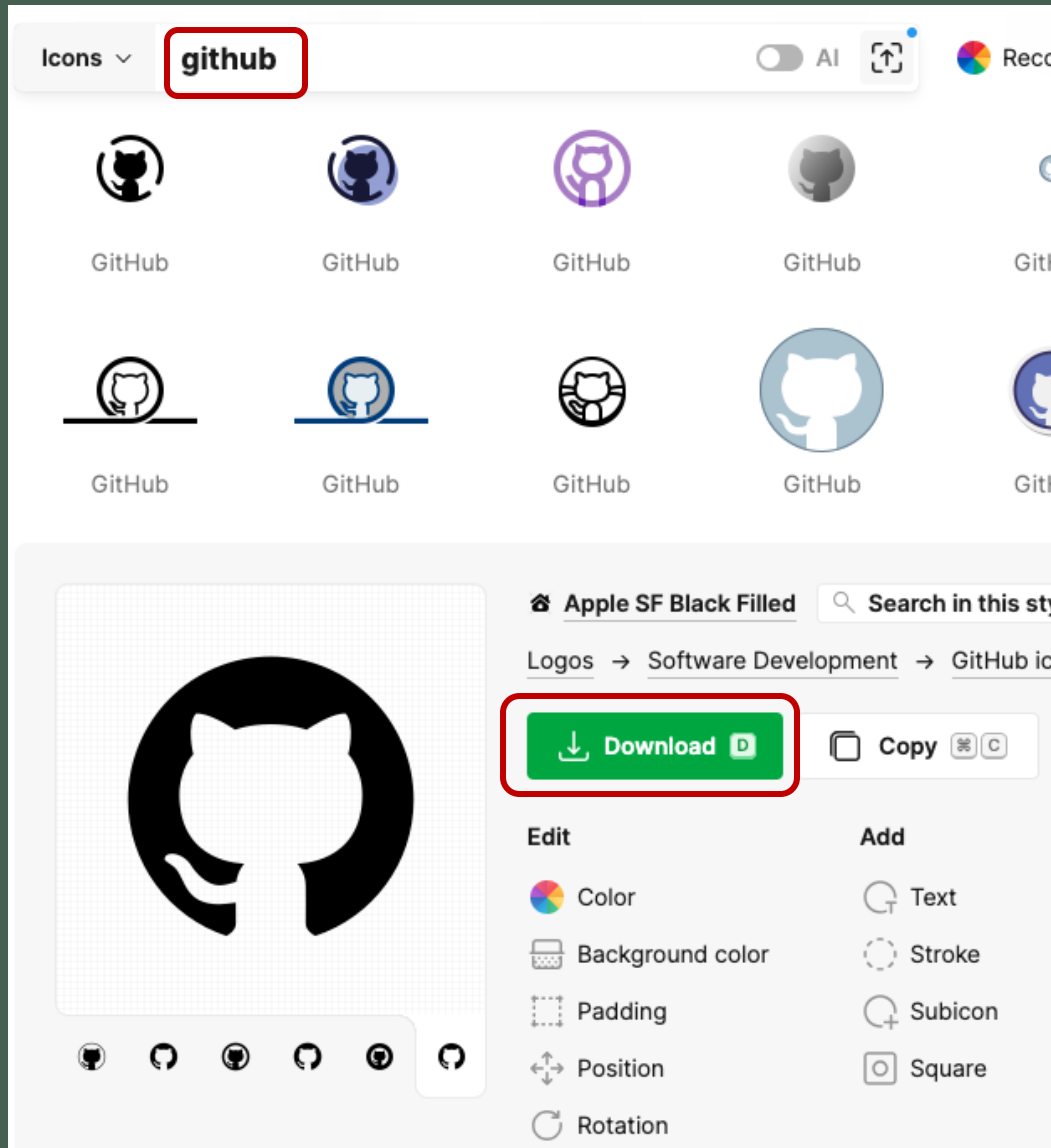
```
Portfolio.py
1  import streamlit as st
2
3  st.title("Hello, Welcome to my Portfolio 🖐️")
4  st.markdown("I'm Yi. I'm ..... \n"
5              "I'm a student at Northeastern University. \n"
6              "Please describe yourself here.")
7  # To start a new line in markdown, use two spaces before \n
8
9  st.header("About me")
10 st.markdown("""
11 **I specialize in:**
12 - Art 🎨
13 - Software development 💻
14 """)
15 # You can use different methods to start a new line. Choose the one you prefer.
16 # Use **text** to make it bold.
17 # Use - text to create a list.
18
```

- Type the remaining lines on the page.
- Green Lines starting with # are just for comments.

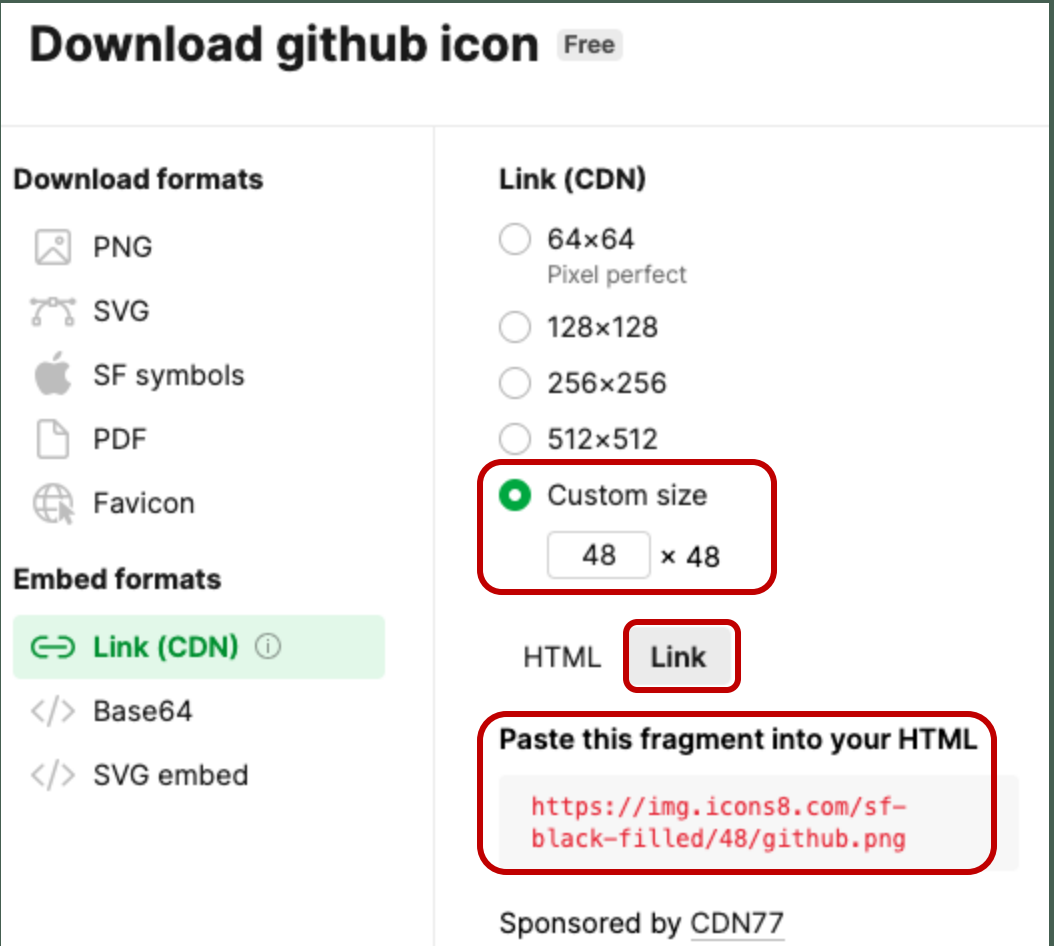
- Type the lines on the page.
- Green Lines starting with # are just for comments.
- Replace the links with your own.

```
st.markdown("**You can find me here:**")
# Display icons and links
# st.markdown('![image](image URL) [link](your link)', unsafe_allow_html= True)
st.markdown('![GitHub](https://img.icons8.com/glyph-neue/48/github.png) [GitHub](https://github.com/YiZhang527)', unsafe_allow_html=True)
st.markdown('![LinkedIn](https://img.icons8.com/fluency/48/linkedin.png) [LinkedIn](https://www.linkedin.com/in/yi-zhang-800765187/)', unsafe_allow_html=True)
st.markdown('![Resume](https://img.icons8.com/wired/48/resume.png) [Resume](https://github.com/YiZhang527/streamlit-portfolio/blob/45aff7089d9ed60a79c8d2fd991d
```

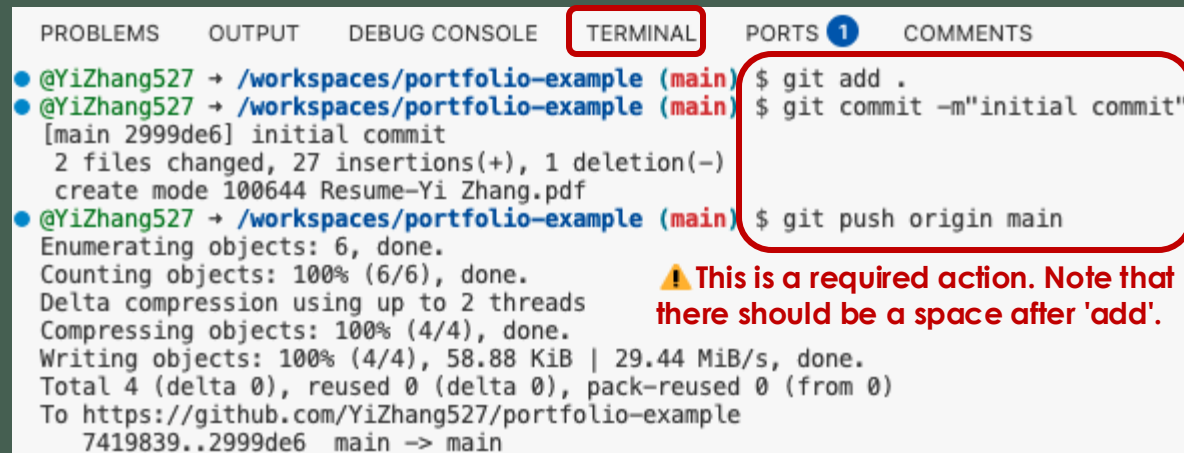
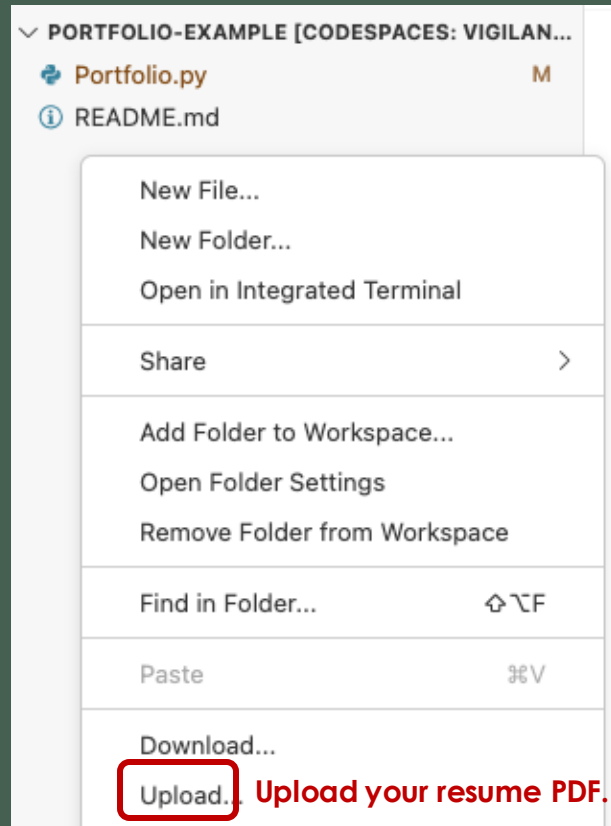
- ![image](image URL) → Displays an icon (the word "image" is just a placeholder and can be ignored).
- Streamlit blocks certain HTML code by default. Using "unsafe_allow_html=True" allows HTML to be used in Markdown.
- Please go to the next 2 pages to see how to copy the free icon URL and resume link.
- You can upload your resume to GitHub, OneDrive, or Google Drive and copy the link.



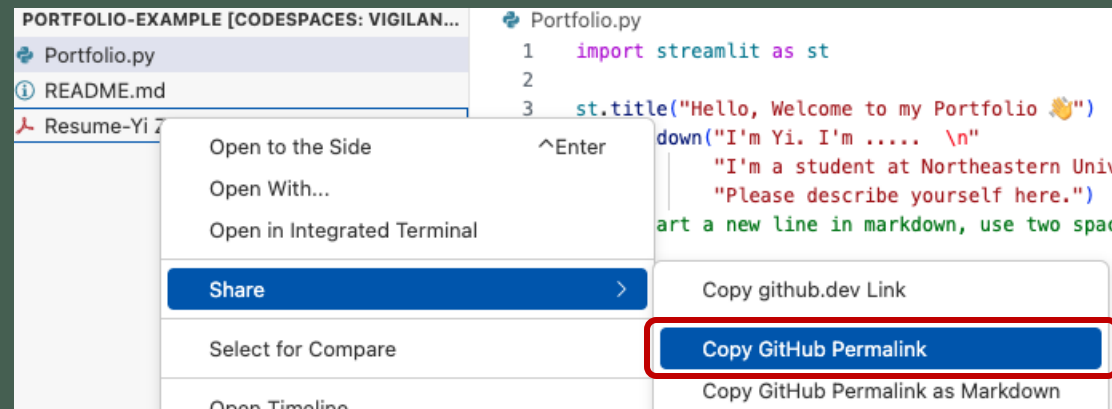
Click the fourth website link from the Reference page. You can find a lot of icons.



Upload your resume to GitHub and push all the code to your GitHub repository.



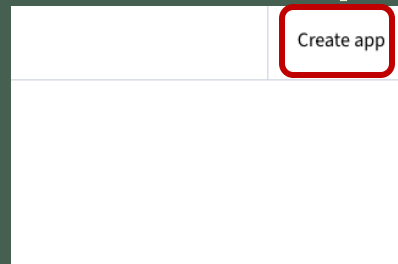
Go to the terminal and enter these commands to push your code to the repository.



After pushing, the link to your resume should be publicly accessible.

Deploy your Portfolio on Streamlit

Use your Github account to log in Streamlit Cloud. Click the second website link from the Reference page to see the tutorial. Click 'Create app'.



[← Back](#)

What would you like to do?



Deploy a public app from GitHub

My code is ready on a GitHub repo, and it is totally awesome.

[Deploy now](#)



Deploy a public app from a template

I want to see what kind of amazing concoctions you have for me.

[Check out templates](#)

[← Back](#)

Deploy an app

Repository [?](#)

[Paste GitHub URL](#)

YiZhang527/portfolio-example

Choose the one you created.

Branch

main

Main file path

Portfolio.py

Choose the one you created.

App URL (optional)

portfolio-example-6uhhuf83gnk7s5kzrwdcoy

.streamlit.app

Domain is available

[Advanced settings](#)

Deploy

Hello, Welcome to my Portfolio 🙌

I'm Yi. I'm

I'm a student at Northeastern University.

Please describe yourself here.

About me ↗

I specialize in:

- Art 🎨
- Software development 💻

You can find me here:



Congratulations! 🙌

You now have your personal portfolio! You can share the link with others, and it should be public.

Let your imagination run wild and create!