Building your Github Portfolio

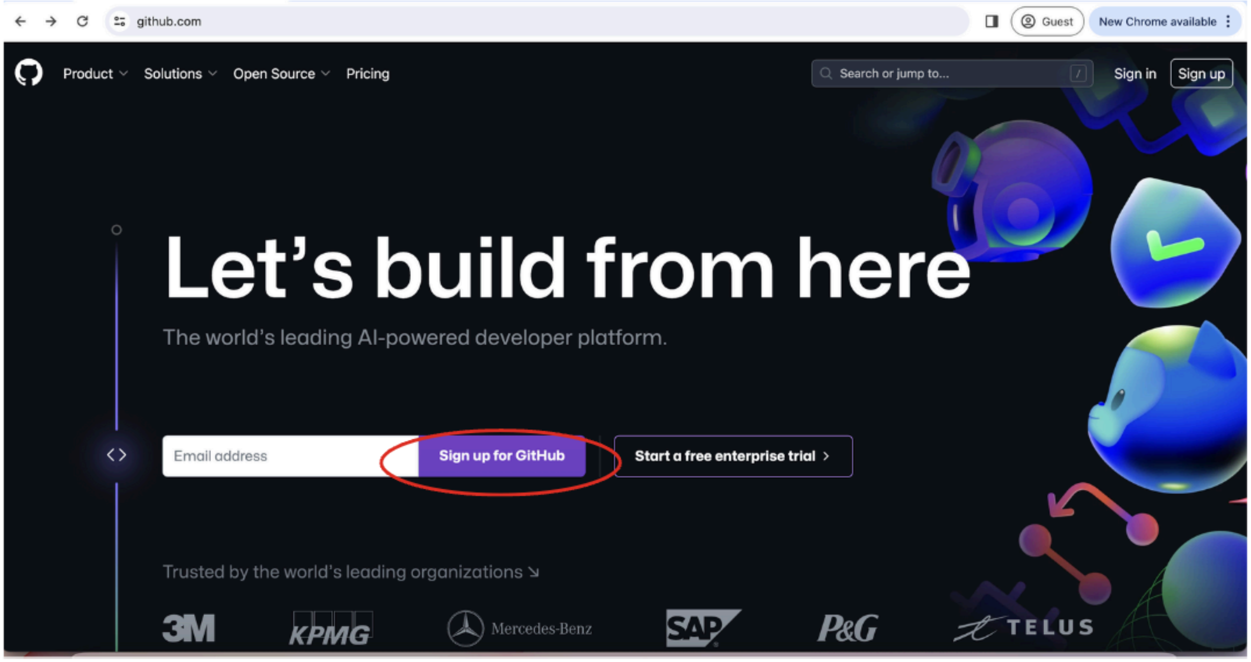
A step-by-step guide

April 2024

1. Create a GitHub account

The first step to create a GitHub portfolio is to create your GitHub account. We will guide you through the steps so you can create it successfully.

a. Navigate to https://github.com and press “Sign up for GitHub”.

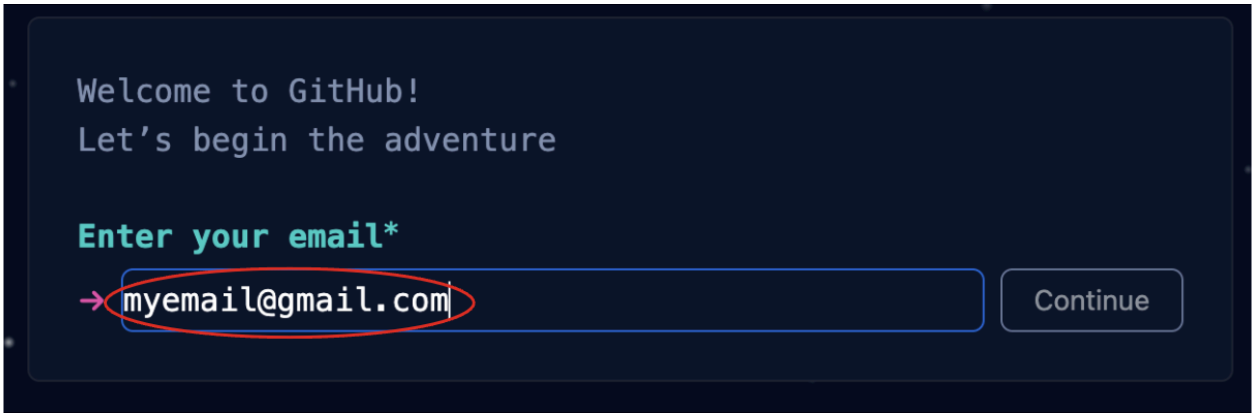


Let’s build from here

The world’s leading AI-powered developer platform.

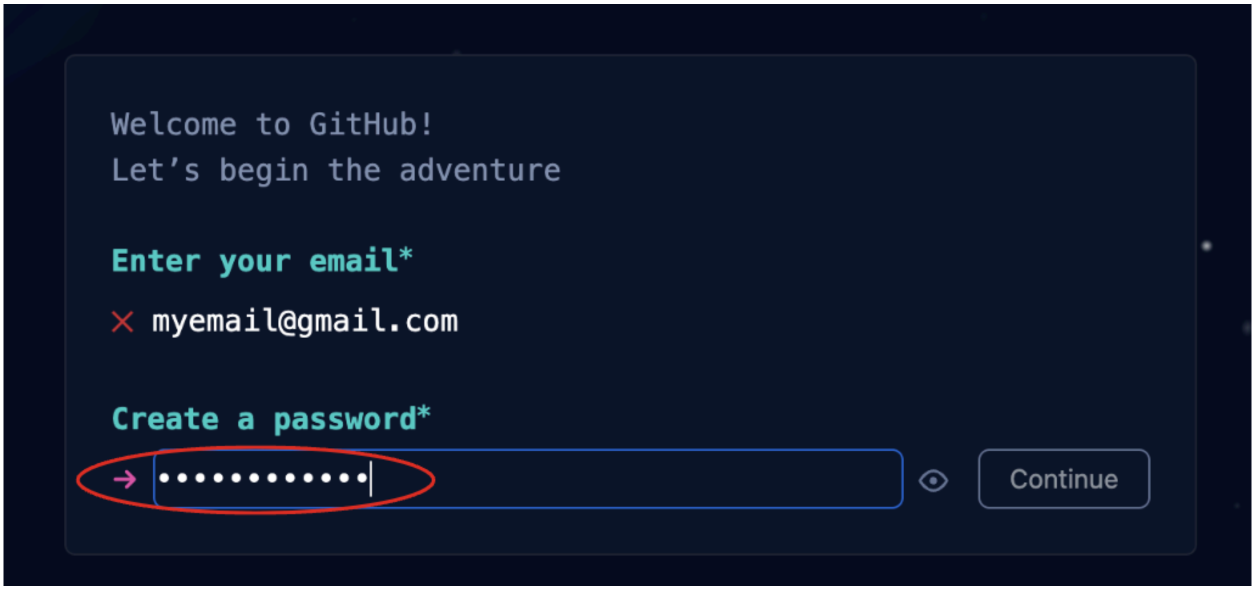
Trusted by the world’s leading organizations ↘

b. Enter your email.



```
Welcome to GitHub!
Let’s begin the adventure

Enter your email*
→ myemail@gmail.com
```

c. Create a password. Make sure it’s at least 15 characters long or at least 8 characters including a number and a lowercase letter.



Welcome to GitHub!
Let’s begin the adventure

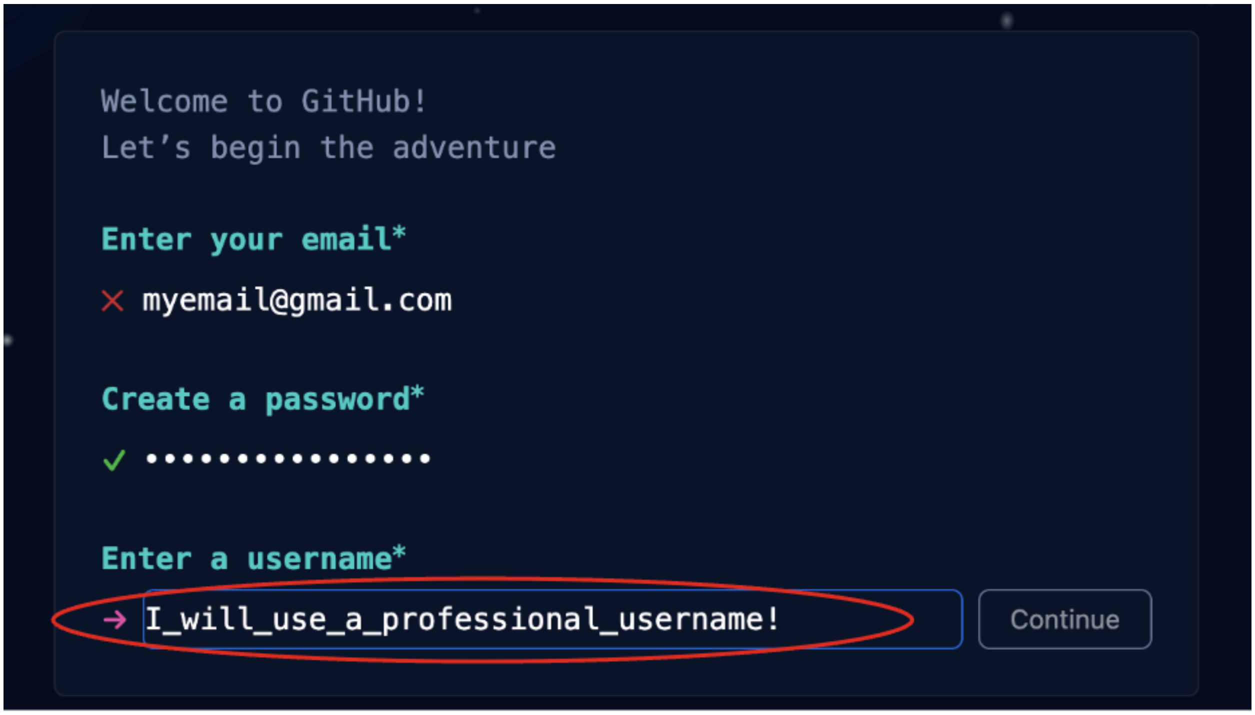
Enter your email*

✕ myemail@gmail.com

Create a password*

→ ••••••••••••

d. Enter a username. The username is an important part of your GitHub portfolio. Try to get a professional and simple username.



Welcome to GitHub!
Let’s begin the adventure

Enter your email*

✕ myemail@gmail.com

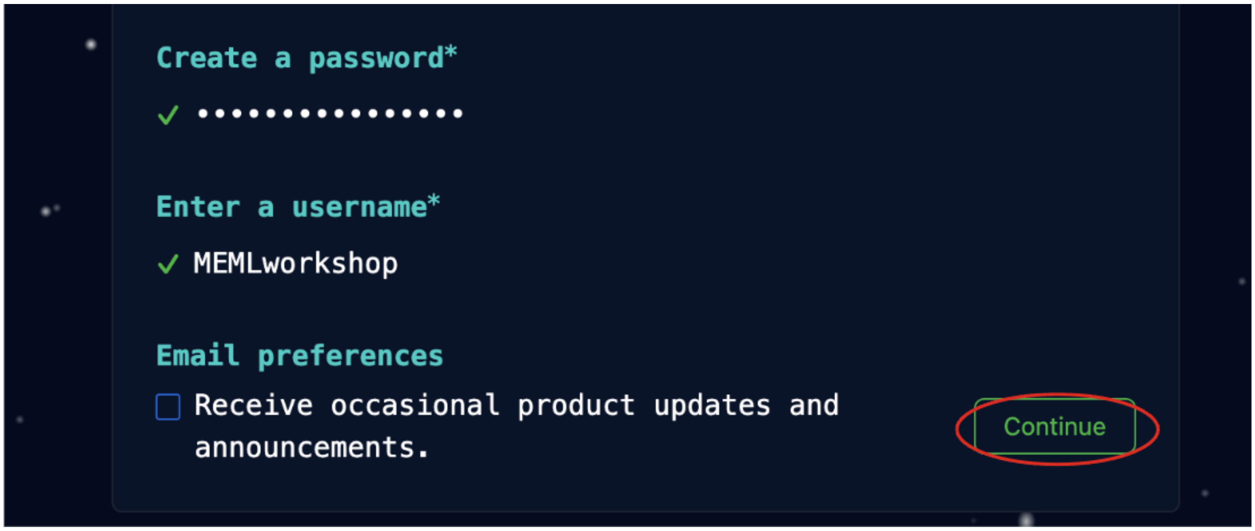
Create a password*

✓ ••••••••••••••••

Enter a username*

→ I_will_use_a_professional_username!

e. Choose whether you would like to receive updates and announcements - if you would, press on the box below Email preferences. If not, just press Continue.



Create a password*

✓ •••••••••••••••

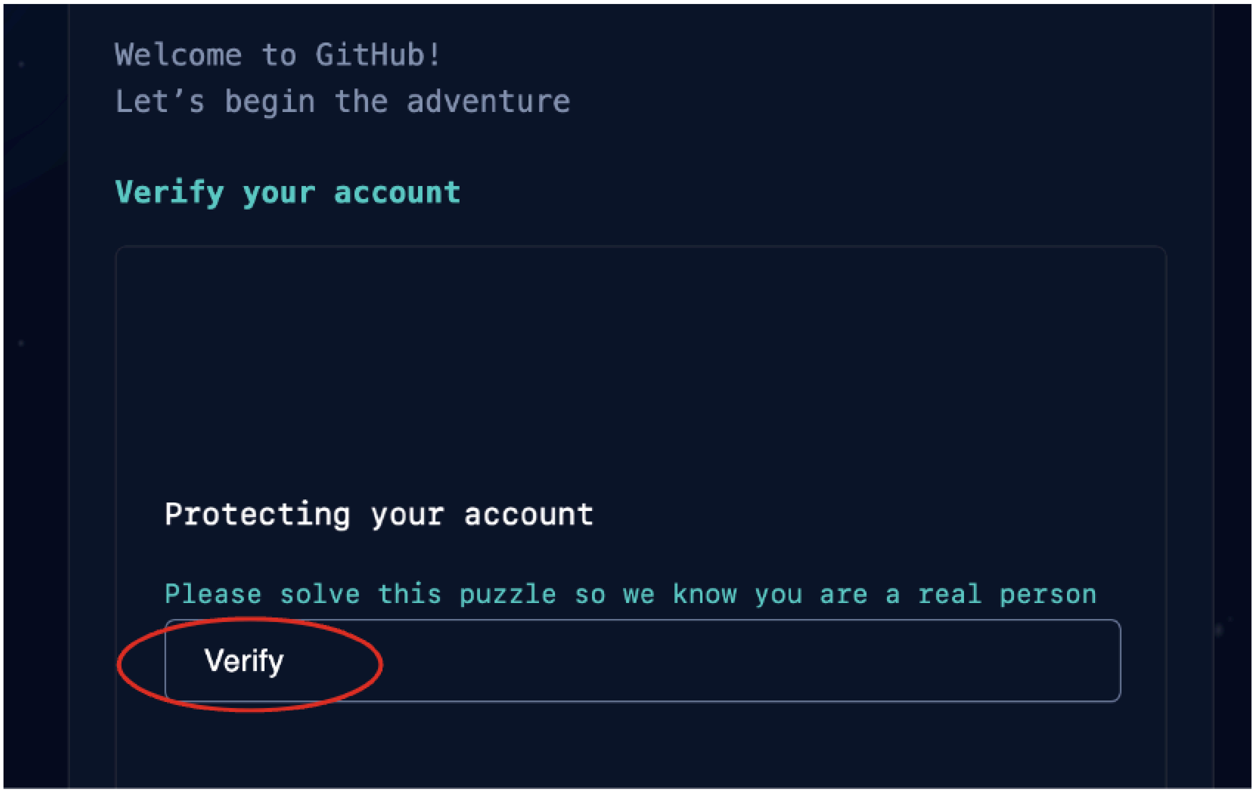
Enter a username*

✓ MEMLworkshop

Email preferences

□ Receive occasional product updates and announcements.

d. Select Verify to proceed to verify your account.



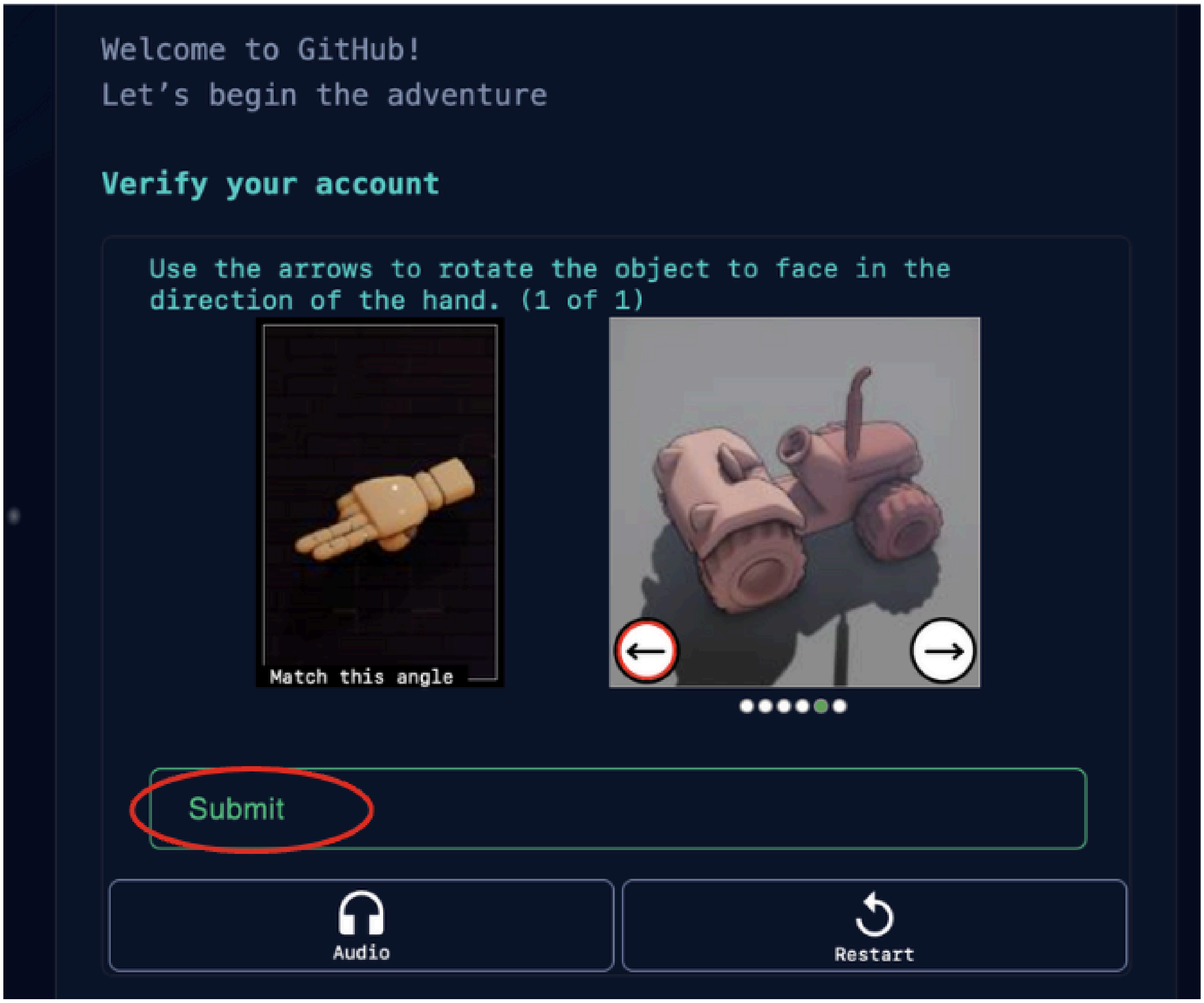
Welcome to GitHub!
Let’s begin the adventure

Verify your account

Protecting your account

Please solve this puzzle so we know you are a real person

e. To verify your account, you’ll have to solve a visual/audio problem and then press Submit. You might have to do it more than once.

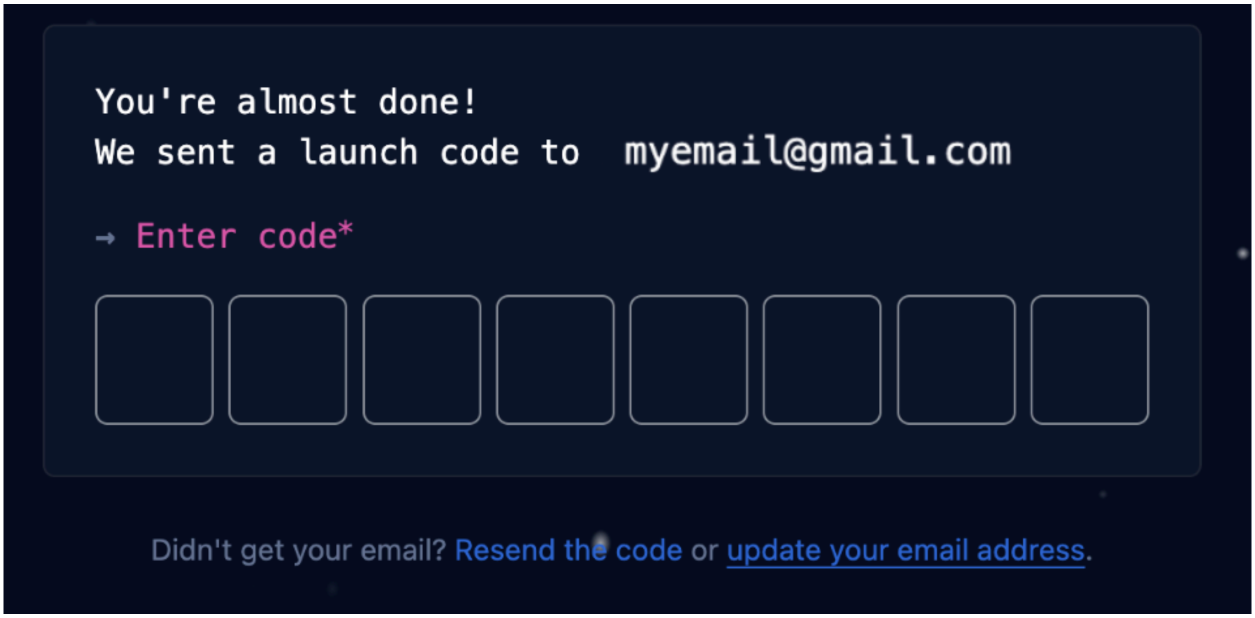


Welcome to GitHub!
Let’s begin the adventure

Verify your account

Use the arrows to rotate the object to face in the direction of the hand. (1 of 1)

f. Go to your email account, and copy the code that GitHub sent you. Then, paste the code on the GitHub website.



You're almost done!
We sent a launch code to myemail@gmail.com

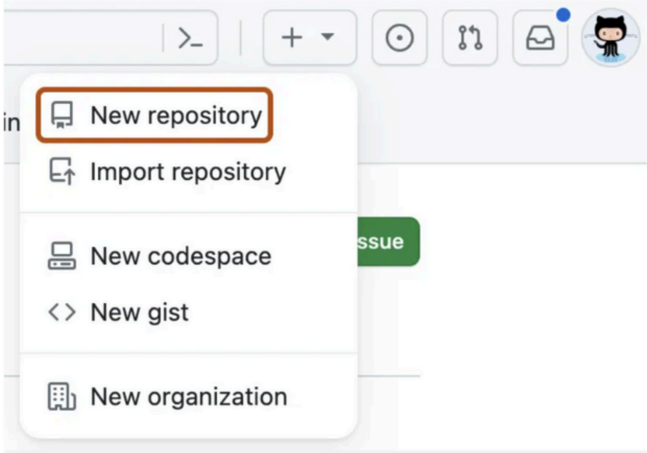
Didn't get your email? Resend the code or update your email address.

g. Congratulations! Your GitHub account has been created!

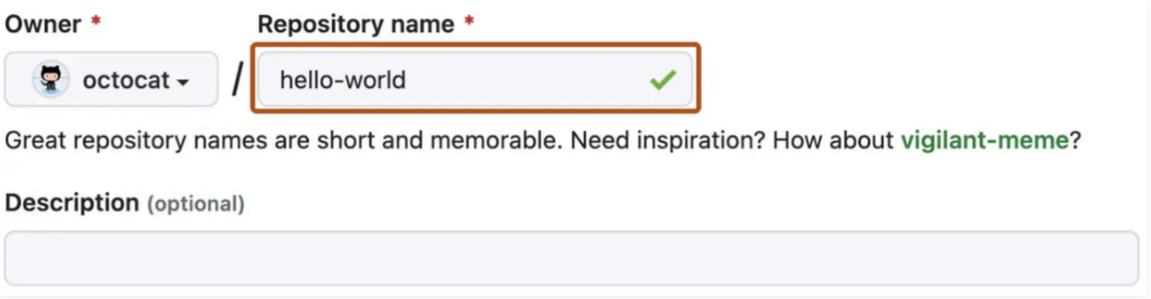
2. Add at least two repositories on your account

It is recommended to add at least two repositories on your account. Those repositories should be projects that you have worked on, and they can be related to Python or not.

a. In the upper-right corner of home page, select +, then click New repository.



b. Type a short, memorable name for your repository. For example “hello-world”. Optionally, you can add a description.

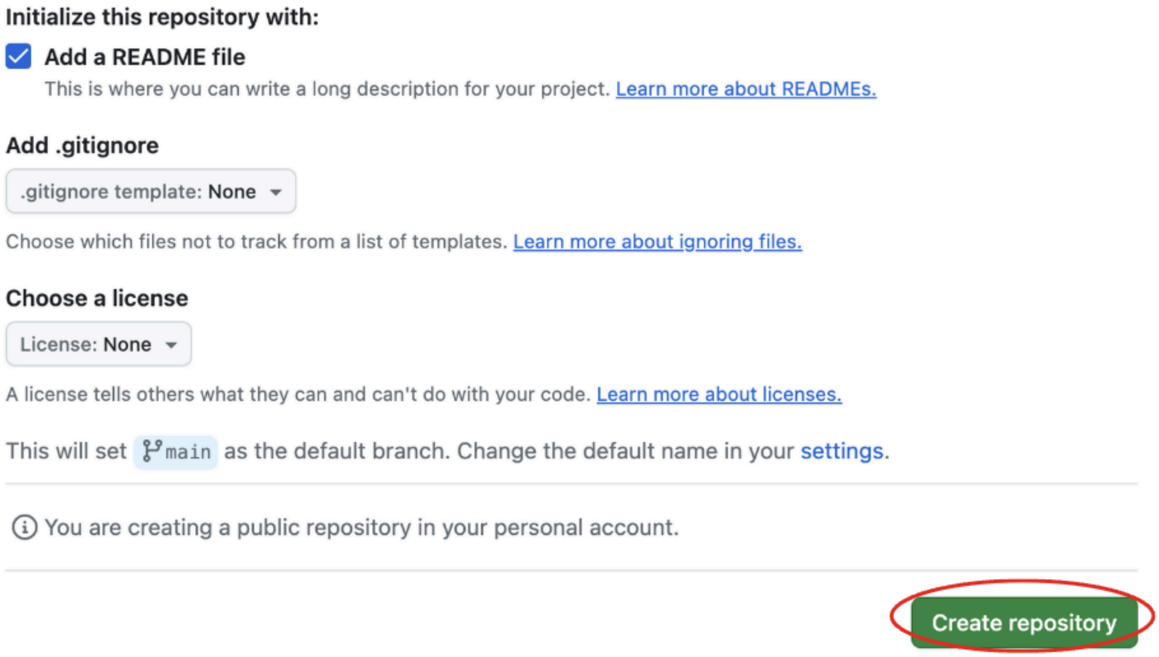


Owner * octocat / Repository name * hello-world ✓

Great repository names are short and memorable. Need inspiration? How about vigilant-meme?

Description (optional)

c. Select “Add a README file” and click “Create a 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

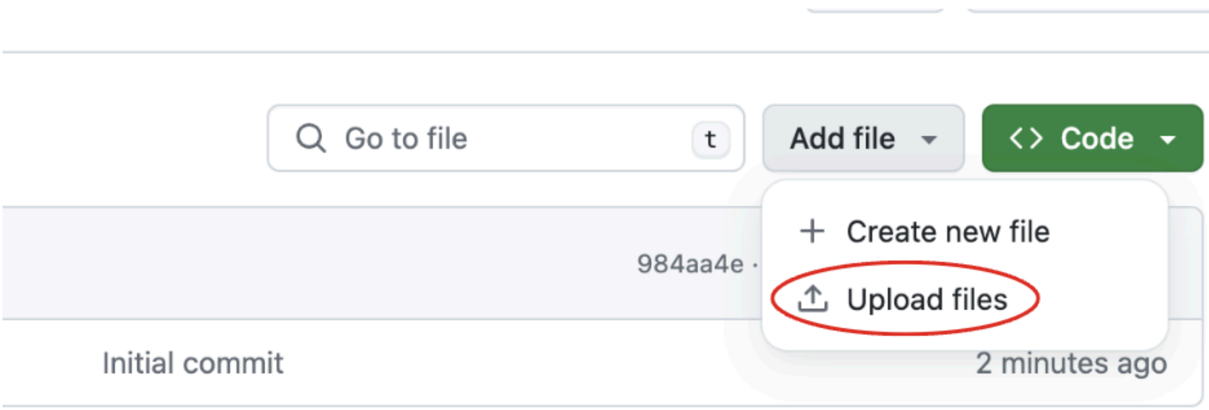
License: **None**

A license tells others what they can and can't do with your code. Learn more about licenses.

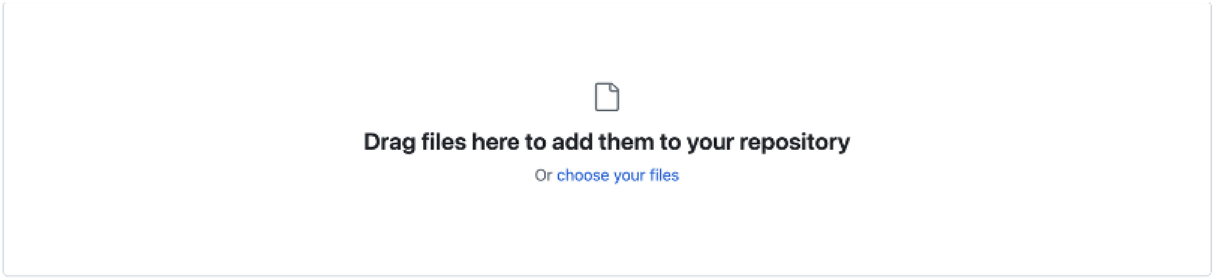
This will set `main` as the default branch. Change the default name in your settings.

You are creating a public repository in your personal account.

d. Select “Add file” and click “Upload files”.



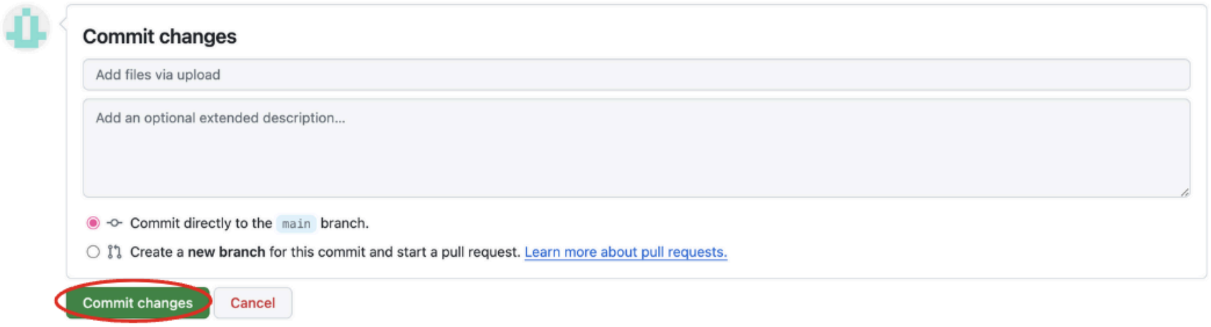
e. Select choose your files or drag the files there.



Drag files here to add them to your repository

Or choose your files

f. Scroll down and select “Commit changes”.



Commit changes

Add files via upload

Add an optional extended description...

● Commit directly to the `main` branch.

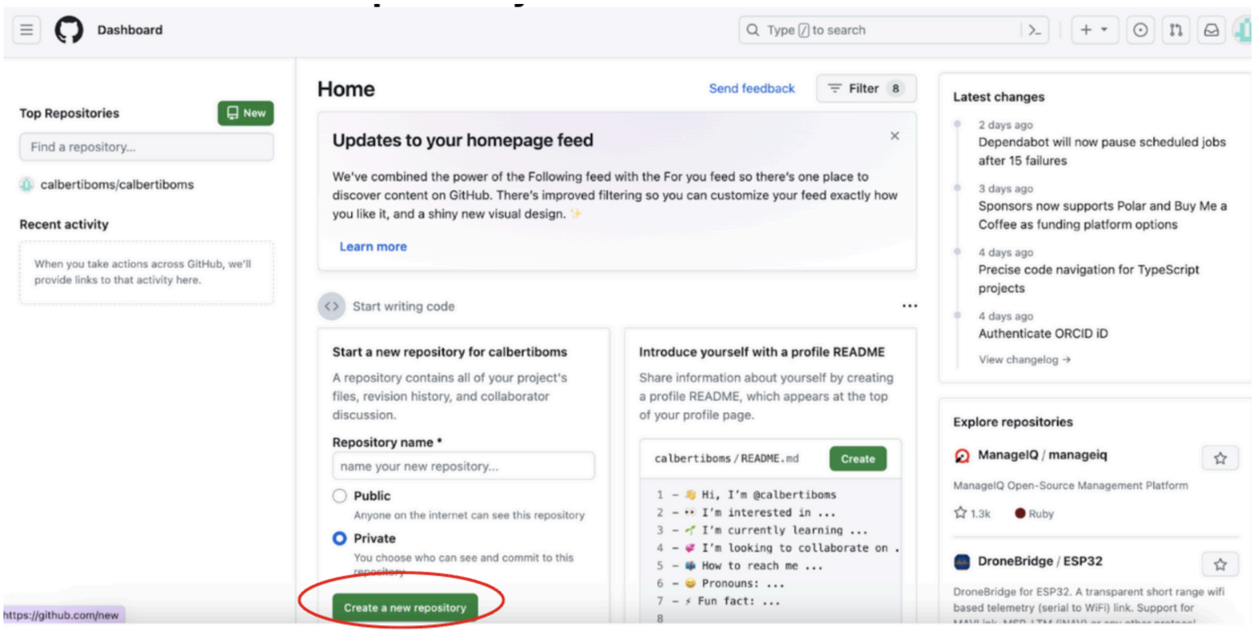
○ Create a **new branch** for this commit and start a pull request. Learn more about pull requests.

3. Create your GitHub Pages

A GitHub Pages can serve as a way of showing your projects and your professional experiences. If you create a resume with GitHub Pages you can stand out in a competitive job market.

3.1. Create a new repository

a. Select “Create a new repository”.



Dashboard

Type / to search

Top Repositories

New

Find a repository...

calbertiboms/calbertiboms

Recent activity

When you take actions across GitHub, we'll provide links to that activity here.

Home

Send feedback

Filter 8

Updates to your homepage feed

We've combined the power of the Following feed with the For you feed so there's one place to discover content on GitHub. There's improved filtering so you can customize your feed exactly how you like it, and a shiny new visual design. ✨

Learn more

Start writing code

Start a new repository for calbertiboms

A repository contains all of your project's files, revision history, and collaborator discussion.

Repository name *

name your new repository...

○ Public
Anyone on the internet can see this repository

● Private
You choose who can see and commit to this repository

Create a new repository

https://github.com/new

Introduce yourself with a profile README

Share information about yourself by creating a profile README, which appears at the top of your profile page.

calbertiboms / README.md

Create

```
- 👋 Hi, I'm @calbertiboms
- 👀 I'm interested in ...
- 🌱 I'm currently learning ...
- 💞️ I'm looking to collaborate on ...
- 📫 How to reach me ...
- 😄 Pronouns: ...
- ⚡ Fun fact: ...
```

Latest changes

2 days ago
Dependabot will now pause scheduled jobs after 15 failures

3 days ago
Sponsors now supports Polar and Buy Me a Coffee as funding platform options

4 days ago
Precise code navigation for TypeScript projects

4 days ago
Authenticate ORCID iD

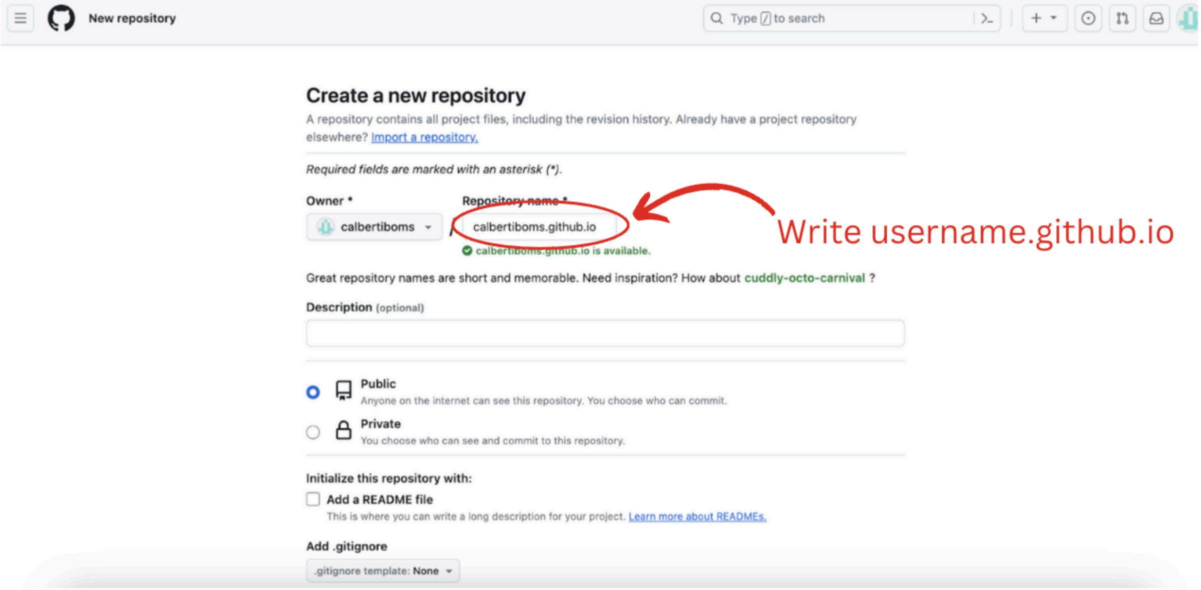
View changelog →

Explore repositories

ManageIQ / manageiq
ManageIQ Open-Source Management Platform
☆ 1.3k ● Ruby

DroneBridge / ESP32
DroneBridge for ESP32. A transparent short range wifi based telemetry (serial to WiFi) link. Support for

b. Write your repository name, which has to be in the form of username.github.io



New repository

Type / to search

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 * calbertiboms

Repository name * calbertiboms.github.io

✓ calbertiboms.github.io is available.

Write username.github.io

Great repository names are short and memorable. Need inspiration? How about cuddly-octo-carnival ?

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.

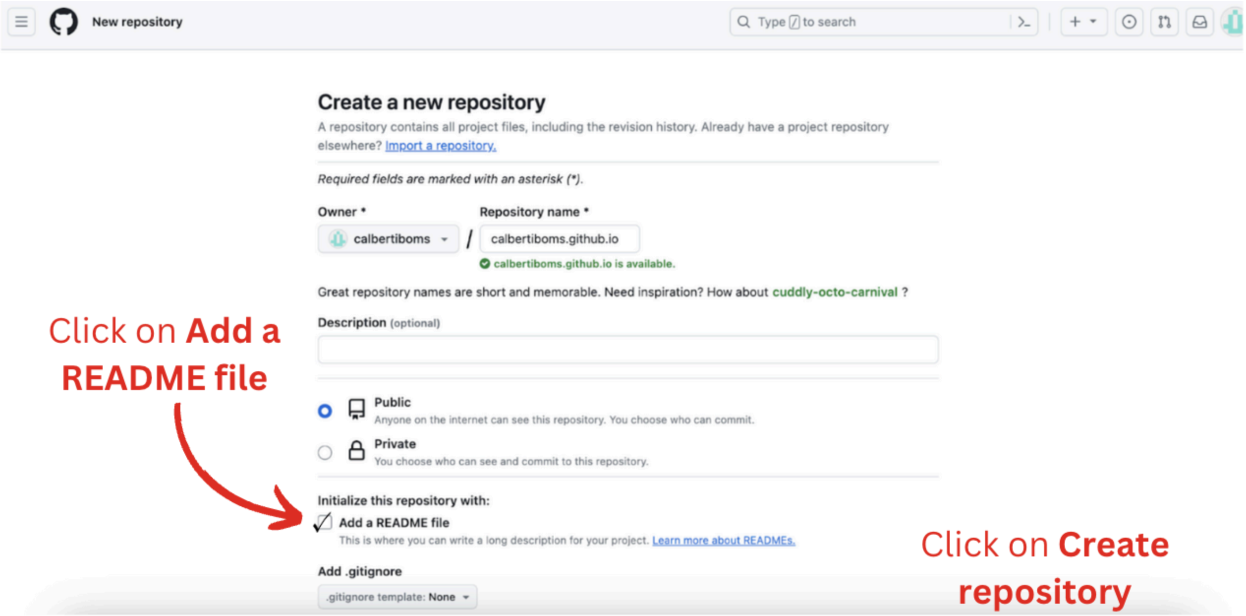
Initialize this repository with:

□ 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

c. Check the box that says “Add a README file” and then scroll down and click on “Create repository”.



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 *: calbertiboms / Repository name *: calbertiboms.github.io

calbertiboms.github.io is available.

Great repository names are short and memorable. Need inspiration? How about cuddly-octo-carnival ?

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

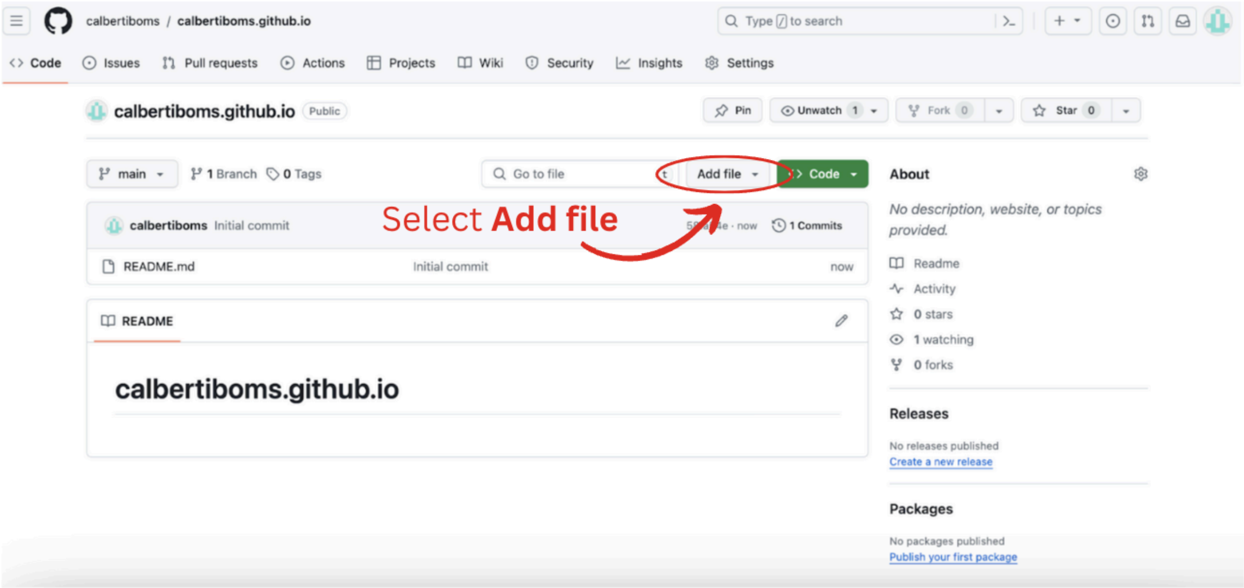
.gitignore template: None

Click on **Add a README file**

Click on **Create repository**

3.2. Create configuration file.

a. Select “Add file”.



calbertiboms.github.io Public

calbertiboms Initial commit	55...4e · now	1 Commits
README.md	Initial commit	now

README

calbertiboms.github.io

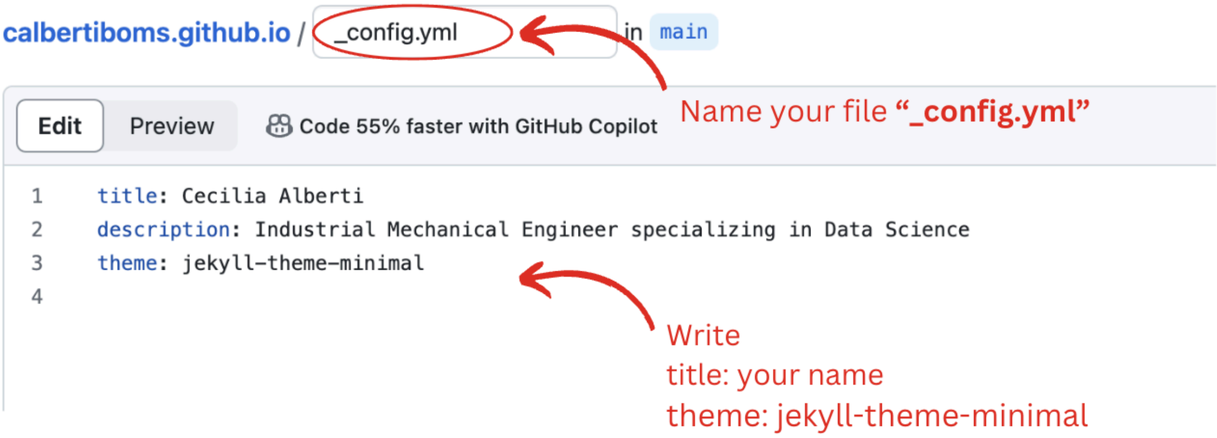
No description, website, or topics provided.

No releases published
Create a new release

No packages published
Publish your first package

Select **Add file**

b. Name your file “_config.yml” and write “title:” followed by your name, “description:” followed by your description, and “theme:” followed by jekyll-theme-minimal.


calbertiboms.github.io / _config.yml in main
Edit
Preview
Code 55% faster with GitHub Copilot

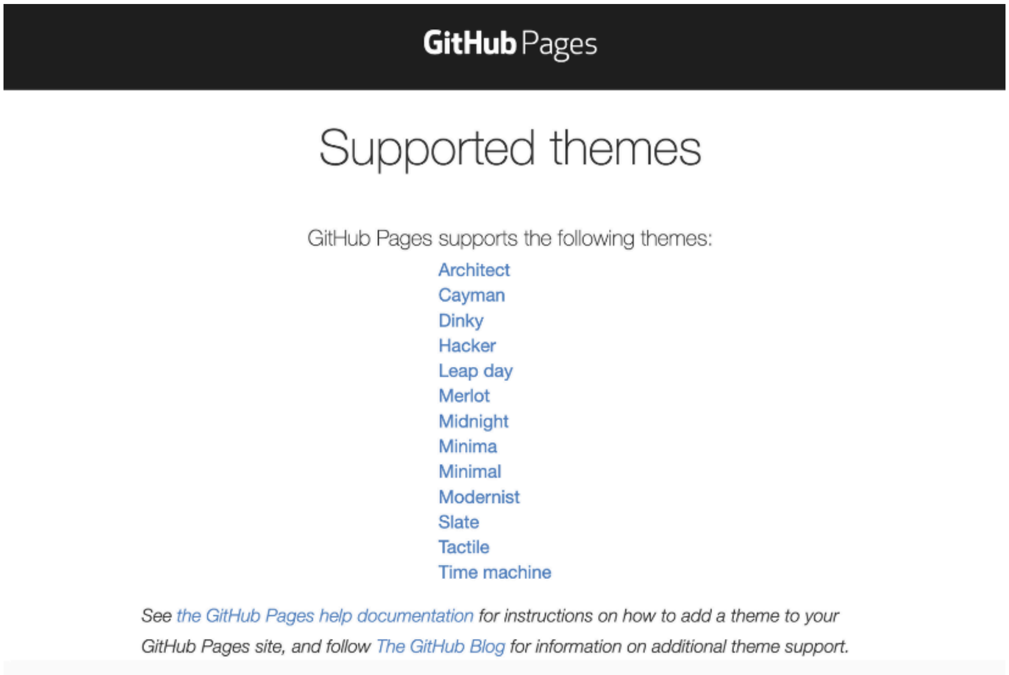
Name your file **"_config.yml"**

```
title: Cecilia Alberti
description: Industrial Mechanical Engineer specializing in Data Science
theme: jekyll-theme-minimal
```

Write
title: your name
theme: jekyll-theme-minimal

✓

If you would like to try other themes, there are other options in https://pages.github.com/themes/.



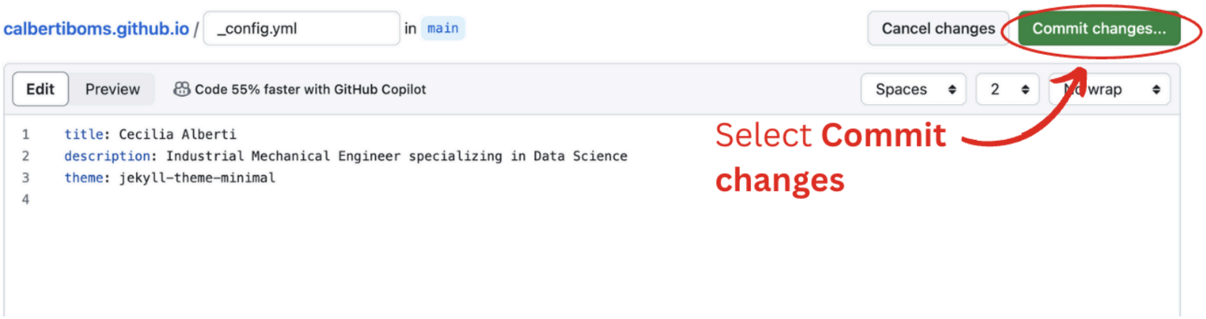
Supported themes

GitHub Pages supports the following themes:

Architect
Cayman
Dinky
Hacker
Leap day
Merlot
Midnight
Minima
Minimal
Modernist
Slate
Tactile
Time machine

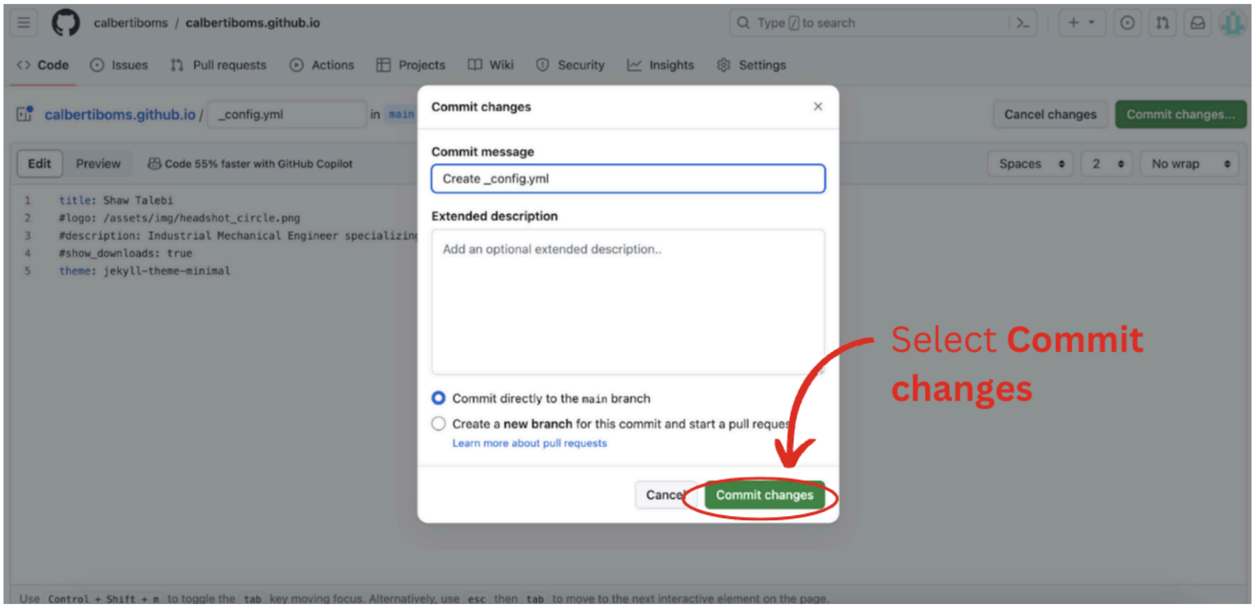
See the GitHub Pages help documentation for instructions on how to add a theme to your GitHub Pages site, and follow The GitHub Blog for information on additional theme support.

c. Select "Commit changes".


calbertiboms.github.io / _config.yml in main
Cancel changes
Commit changes...
Edit
Preview
Code 55% faster with GitHub Copilot
Spaces
2
No wrap

```
title: Cecilia Alberti
description: Industrial Mechanical Engineer specializing in Data Science
theme: jekyll-theme-minimal
```

Select **Commit changes**



```
title: Shaw Talebi
#logo: /assets/img/headshot_circle.png
#description: Industrial Mechanical Engineer specializin
#show_downloads: true
theme: jekyll-theme-minimal
```

Commit changes

Commit message: Create _config.yml

Extended description: Add an optional extended description..

● Commit directly to the main branch

○ Create a **new branch** for this commit and start a pull reques

Learn more about pull requests

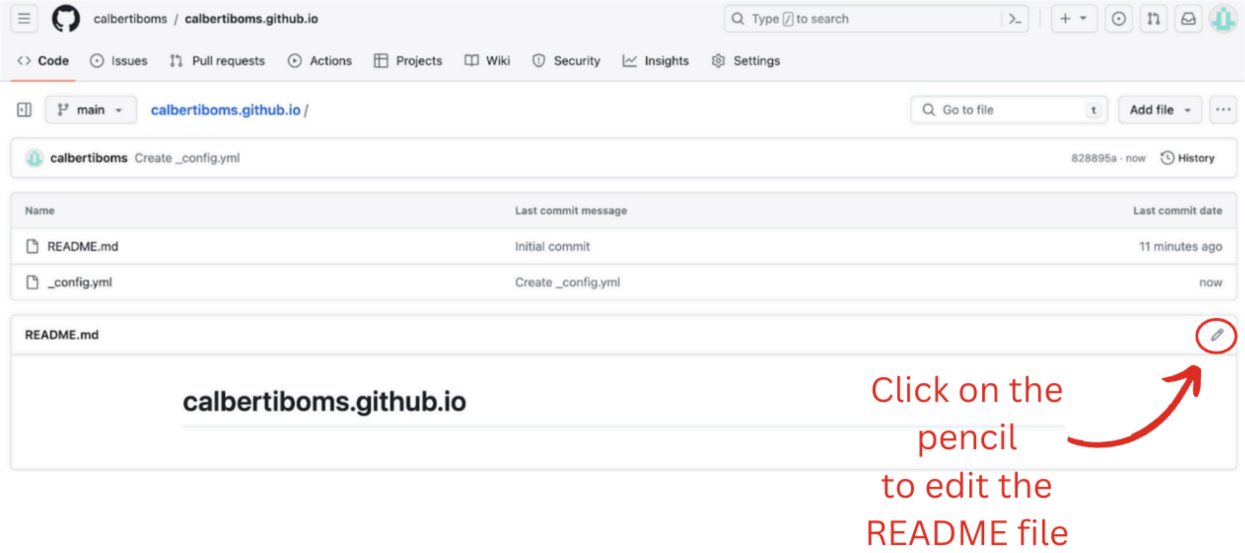
Cancel | Commit changes

Use Control + Shift + m to toggle the tab key moving focus. Alternatively, use esc then tab to move to the next interactive element on the page.

Select **Commit changes**

3.3. Edit README file.

a. To edit the README.md file, click on the pencil at the right.



calbertiboms Create _config.yml 828895a · now History

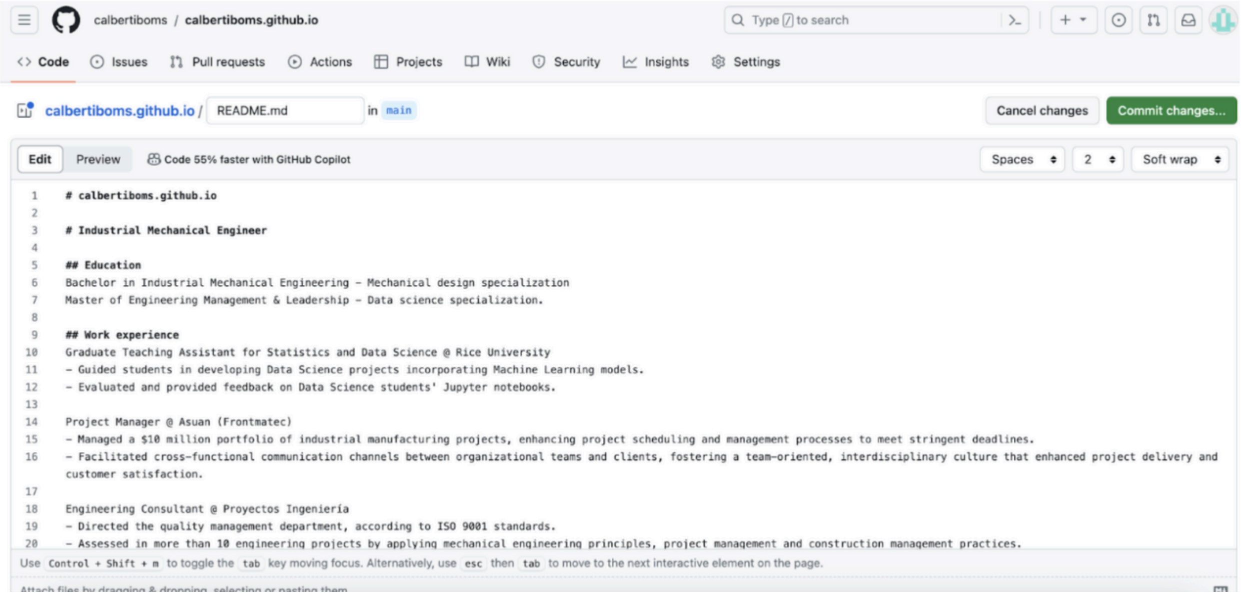
Name	Last commit message	Last commit date
README.md	Initial commit	11 minutes ago
_config.yml	Create _config.yml	now

README.md

calbertiboms.github.io

Click on the pencil
to edit the
README file

b. Write the information you want to have on your GitHub Pages. You can use markdown (as we use in RCEL 506) or you can use HTML if you know how to use it and you feel comfortable with it.

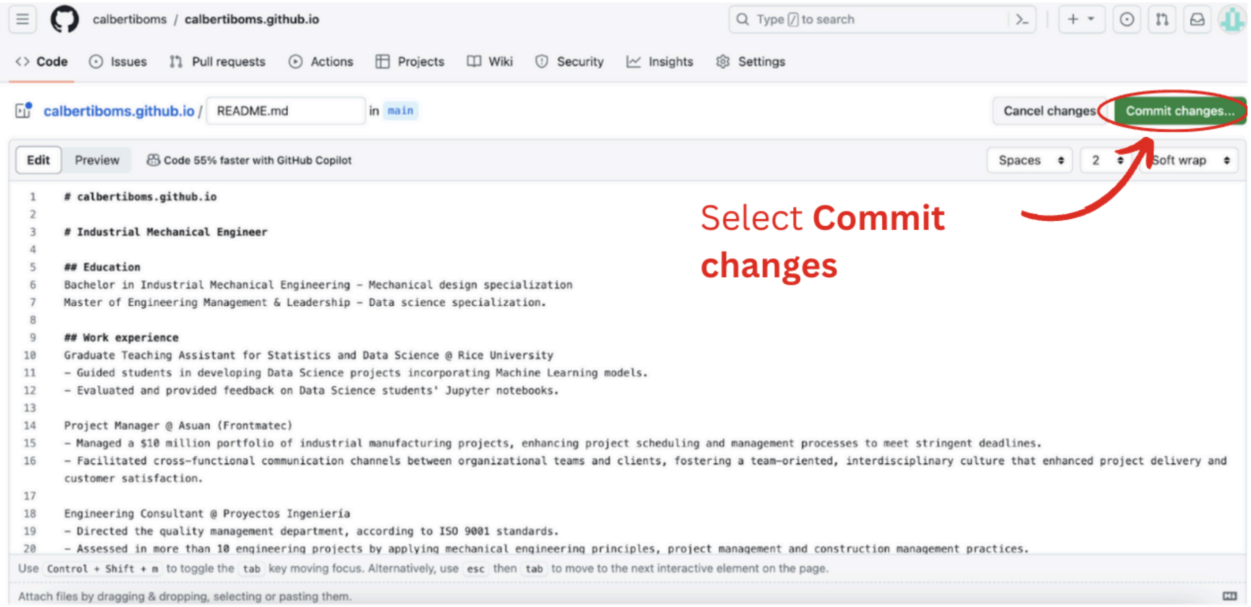


```
# calbertiboms.github.io

# Industrial Mechanical Engineer

## Education
Bachelor in Industrial Mechanical Engineering - Mechanical design specialization
Master of Engineering Management & Leadership - Data science specialization.

## Work experience
Graduate Teaching Assistant for Statistics and Data Science @ Rice University
- Guided students in developing Data Science projects incorporating Machine Learning models.
- Evaluated and provided feedback on Data Science students' Jupyter notebooks.

Project Manager @ Asuan (Frontmatec)
- Managed a $10 million portfolio of industrial manufacturing projects, enhancing project scheduling and management processes to meet stringent deadlines.
- Facilitated cross-functional communication channels between organizational teams and clients, fostering a team-oriented, interdisciplinary culture that enhanced project delivery and customer satisfaction.

Engineering Consultant @ Proyectos Ingeniería
- Directed the quality management department, according to ISO 9001 standards.
- Assessed in more than 10 engineering projects by applying mechanical engineering principles, project management and construction management practices.
```

Use Control + Shift + m to toggle the tab key moving focus. Alternatively, use esc then tab to move to the next interactive element on the page.

Attach files by dragging & dropping, selecting or pasting them.

c. Select “Commit changes”.



Select **Commit changes**

```
# calbertiboms.github.io

# Industrial Mechanical Engineer

## Education
Bachelor in Industrial Mechanical Engineering - Mechanical design specialization
Master of Engineering Management & Leadership - Data science specialization.

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Graduate Teaching Assistant for Statistics and Data Science @ Rice University
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```
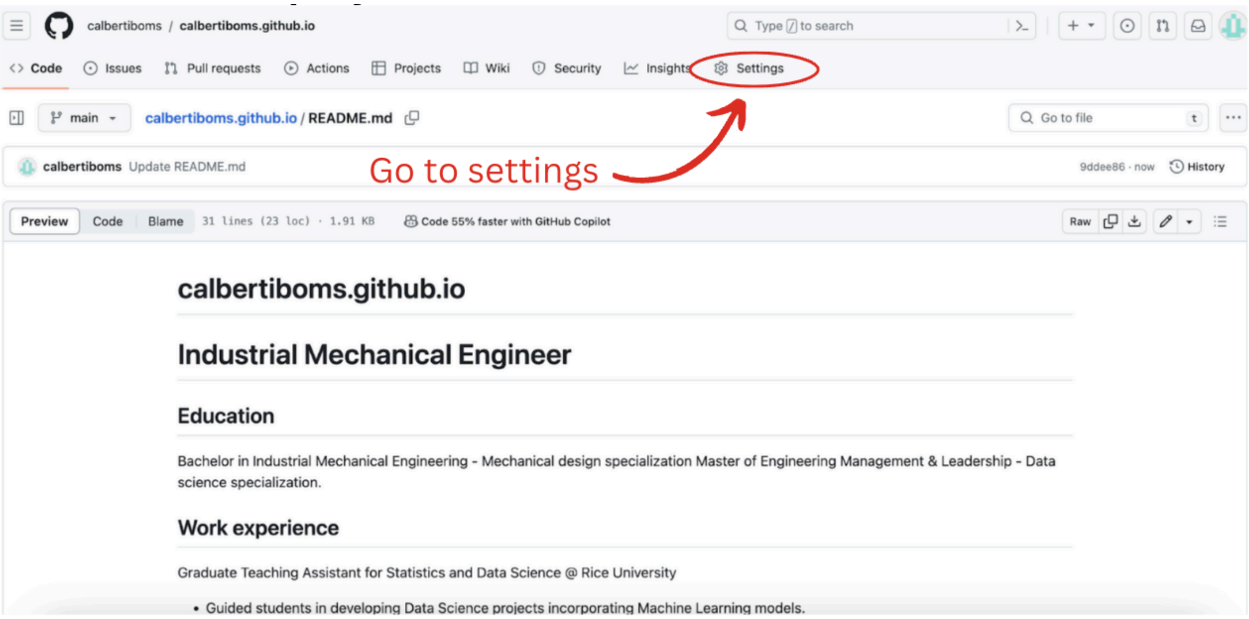

Use Control + Shift + m to toggle the tab key moving focus. Alternatively, use esc then tab to move to the next interactive element on the page.

Attach files by dragging & dropping, selecting or pasting them.

3.4. Deploy your GitHub Pages

a. Go to settings.



calbertiboms / calbertiboms.github.io

Code · Issues · Pull requests · Actions · Projects · Wiki · Security · Insights · Settings

main · calbertiboms.github.io / README.md

calbertiboms Update README.md

Go to settings

9ddee86 · now · History

Preview · Code · Blame · 31 lines (23 loc) · 1.91 KB · Code 55% faster with GitHub Copilot

calbertiboms.github.io

Industrial Mechanical Engineer

Education

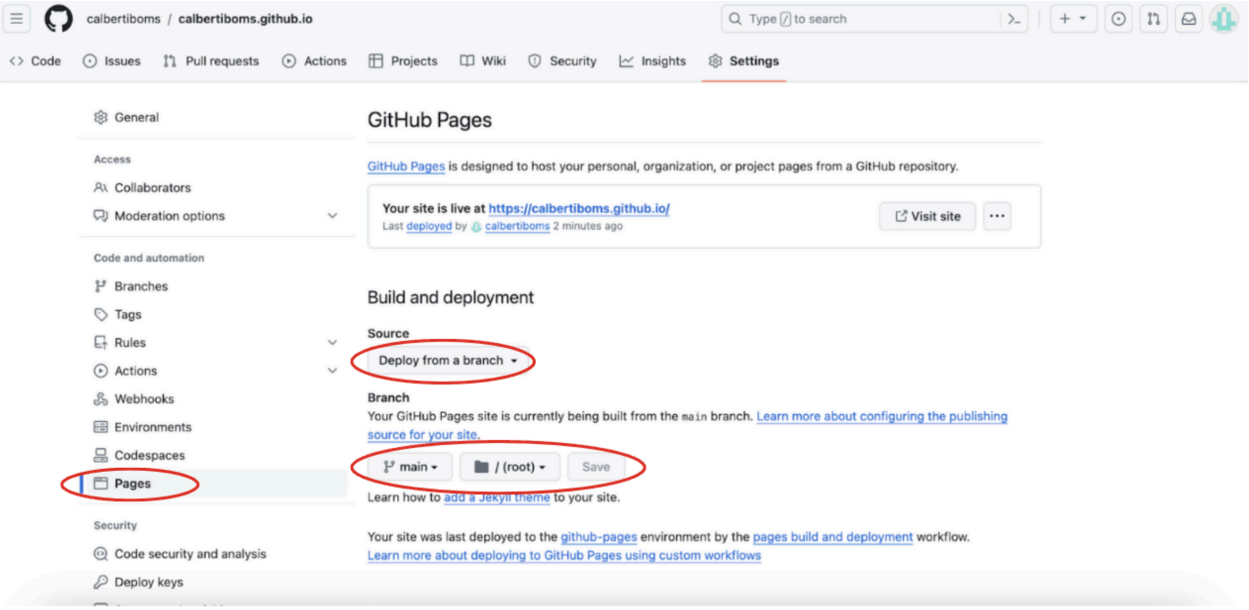
Bachelor in Industrial Mechanical Engineering - Mechanical design specialization Master of Engineering Management & Leadership - Data science specialization.

Work experience

Graduate Teaching Assistant for Statistics and Data Science @ Rice University

- Guided students in developing Data Science projects incorporating Machine Learning models.

b. Go to “Pages”, in the left, and check that the Source and Branch is correct.



calbertiboms / calbertiboms.github.io

Code · Issues · Pull requests · Actions · Projects · Wiki · Security · Insights · Settings

General

Access

Collaborators

Moderation options

Code and automation

Branches

Tags

Rules

Actions

Webhooks

Environments

Codespaces

Pages

Security

Code security and analysis

Deploy keys

GitHub Pages

GitHub Pages is designed to host your personal, organization, or project pages from a GitHub repository.

Your site is live at https://calbertiboms.github.io/
Last deployed by calbertiboms 2 minutes ago

Visit site

Build and deployment

Source

Deploy from a branch

Branch

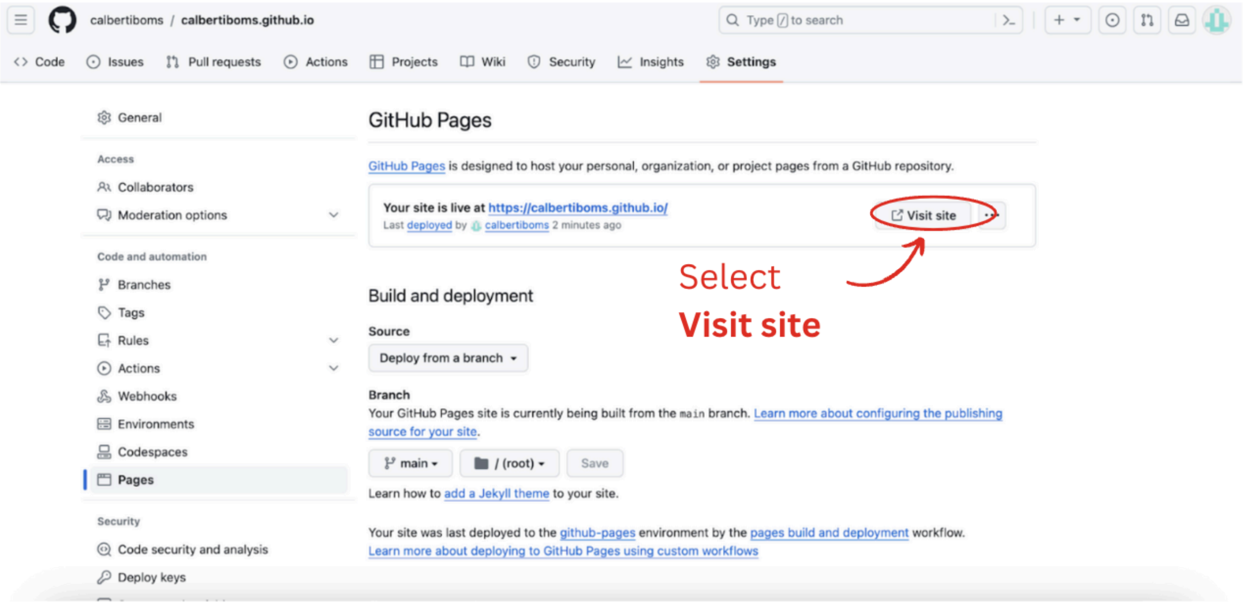
Your GitHub Pages site is currently being built from the main branch. Learn more about configuring the publishing source for your site.

main · / (root) · Save

Learn how to add a Jekyll theme to your site.

Your site was last deployed to the github-pages environment by the pages build and deployment workflow.
Learn more about deploying to GitHub Pages using custom workflows

c. Select “Visit site”.



GitHub Pages

GitHub Pages is designed to host your personal, organization, or project pages from a GitHub repository.

Your site is live at https://calbertiboms.github.io/

Last deployed by calbertiboms 2 minutes ago

Select

Visit site

Build and deployment

Source

Deploy from a branch

Branch

Your GitHub Pages site is currently being built from the `main` branch. Learn more about configuring the publishing source for your site.

Learn how to add a Jekyll theme to your site.

Your site was last deployed to the github-pages environment by the pages build and deployment workflow.
Learn more about deploying to GitHub Pages using custom workflows

You will see your first draft!

4. Other modifications

To enhance your GitHub Pages and make it more personalized, consider the following modifications:

4.1 Adding a profile picture

To add your photo to your GitHub Pages:

- Upload the image to your repository.
- Copy the path on GitHub.
- Go to the _config.yml file and press to edit it.
- Write “logo:” followed by the path. For example: logo: images/profile_picture.jpeg
- Press “Commit changes”.

4.2 Adding images in the README file

To add images to your GitHub Pages:

- Upload the images to your repository.
- Go to your README file and edit it.
- Use the correct image path in your HTML or Markdown files, relative to the root of your repository. For example, <img src="images/example.jpg" alt="Description">.
- Press “Commit changes”.

4.3 Adding links

To add links in any of your files, go to the file, press to edit the file and then:

- Use the standard HTML <a> tag or Markdown link syntax ([link text](URL)).
- Ensure that the URLs are correct and properly formatted.
- Press “Commit changes”.

4.4 Further Resources

- GitHub Pages documentation provides detailed information on customizing your site: https://pages.github.com/
- Explore existing GitHub Pages sites for inspiration and idea.

Please note that it may take some time for these modifications to appear on your GitHub profile after committing the changes.