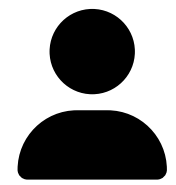


Flujo de trabajo



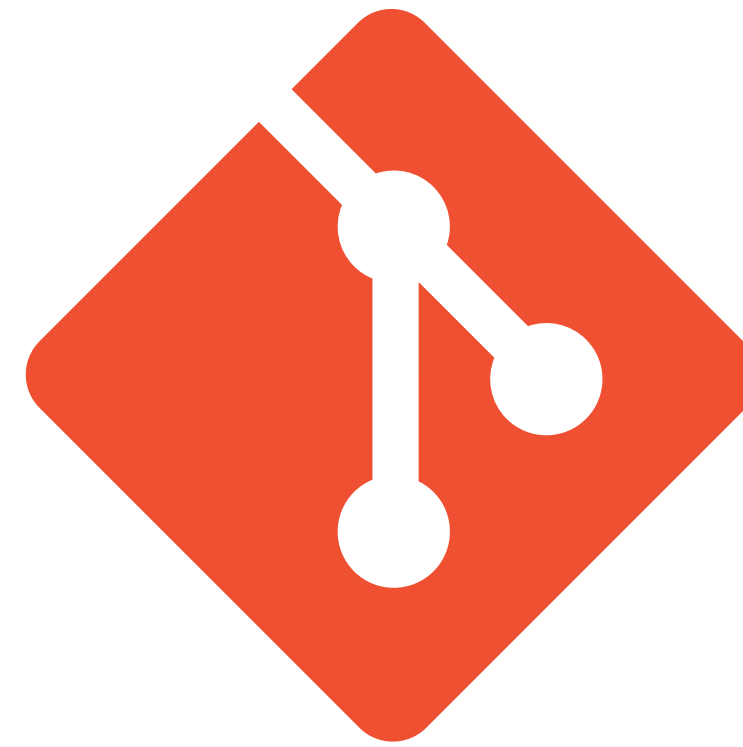
Individual



Distribuido

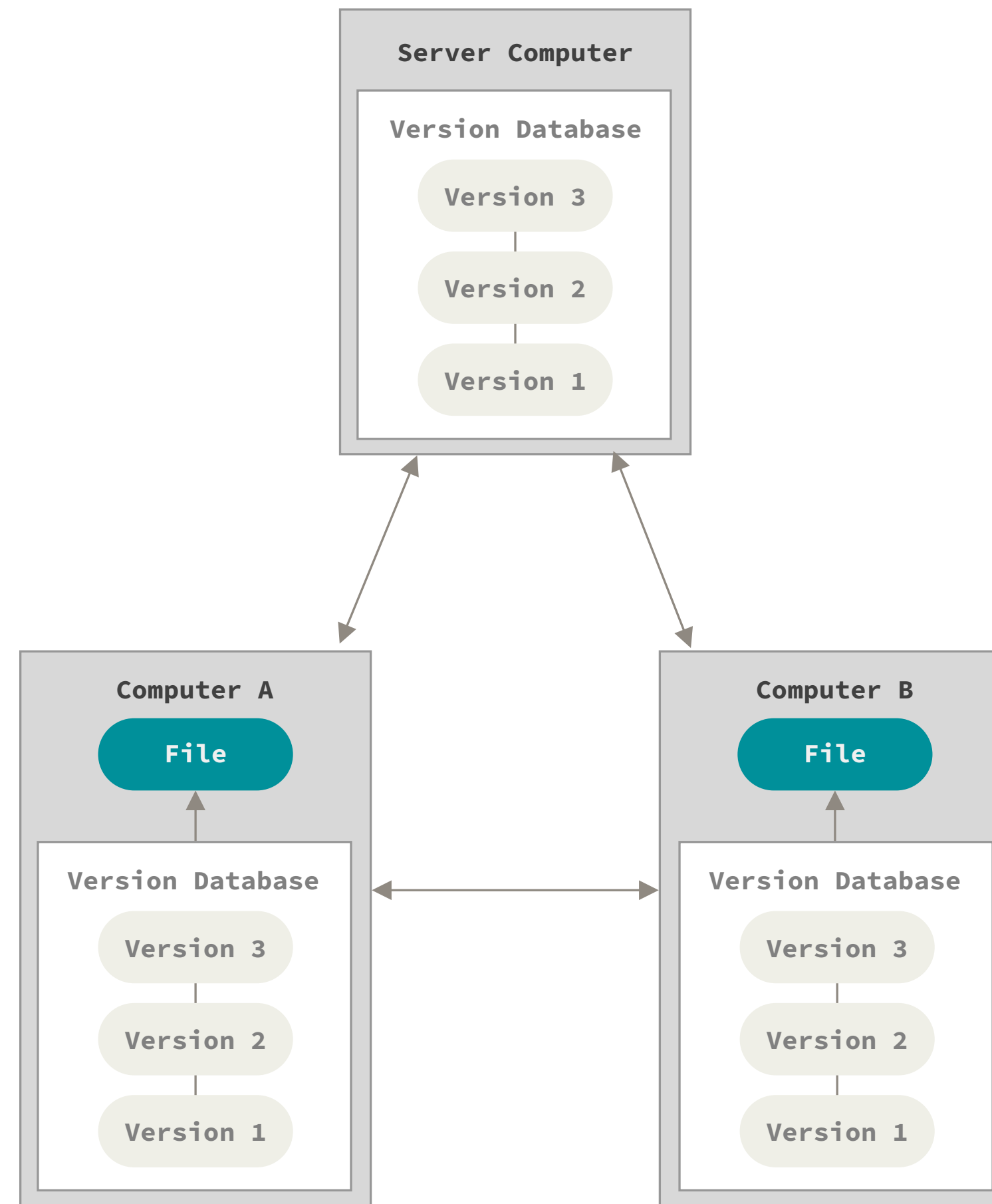


Lineal



git

Repositorios distribuídos



Características del flujo de trabajo

Individual	Sólo nosotros hacemos cambios en el repositorio
Distribuido	Hay una copia local del repositorio y una o más copias remotas
Lineal	Solo trabajamos con una línea de tiempo

Preparar el entorno de trabajo distribuido

Flujo	¿Repositorio local?	¿Repositorio remoto?	Acciones siguientes
Básico	No	Sí	Clonar el repositorio remoto
Alternativo	Sí	No	Crear el repositorio remoto Vincular el repositorio remoto al local
	No	No	Inicializar el repositorio (local o remoto) y seguir el flujo básico o alternativo

Flujo básico

1. Descargamos una copia del repositorio remoto
2. Creamos commits en el repositorio local
3. Enviamos los cambios al repositorio remoto, sincronizándolo con el local

Repositorio remoto

The screenshot shows a web browser window displaying a GitHub repository page. The browser's address bar shows 'github.com'. The repository is owned by 'ijaureguiualzo' and is named 'segundo-proyecto'. The page includes a navigation bar with options like 'Code', 'Issues', 'Pull requests', 'Actions', 'Projects', 'Wiki', 'Security', 'Insights', and 'Settings'. Below the navigation bar, the repository name 'segundo-proyecto' is shown as 'Public'. There are buttons for 'Pin', 'Unwatch 1', 'Fork 0', and 'Star 0'. The main content area shows the 'main' branch with '1 Branch' and '0 Tags'. A commit by 'ijaureguiualzo' is listed with the message 'Initial commit' and a timestamp of '2631f12 · now'. Below the commit, a file named 'README.md' is shown. The README content includes the title 'segundo-proyecto' and the description 'Repositorio de ejemplo para explicar Git.'. On the right side, there is an 'About' section with a description 'Repositorio de ejemplo para explicar Git.' and statistics: '0 stars', '1 watching', and '0 forks'. There are also sections for 'Releases' and 'Packages', both indicating that no releases or packages have been published.

Personal | github.com

ijaureguiualzo / segundo-proyecto

Type to search

Code Issues Pull requests Actions Projects Wiki Security Insights Settings

segundo-proyecto Public

Pin Unwatch 1 Fork 0 Star 0

main 1 Branch 0 Tags

Go to file Add file Code

ijaureguiualzo Initial commit 2631f12 · now 1 Commit

README.md Initial commit now

README

segundo-proyecto

Repositorio de ejemplo para explicar Git.

About

Repositorio de ejemplo para explicar Git.

Readme Activity 0 stars 1 watching 0 forks

Releases

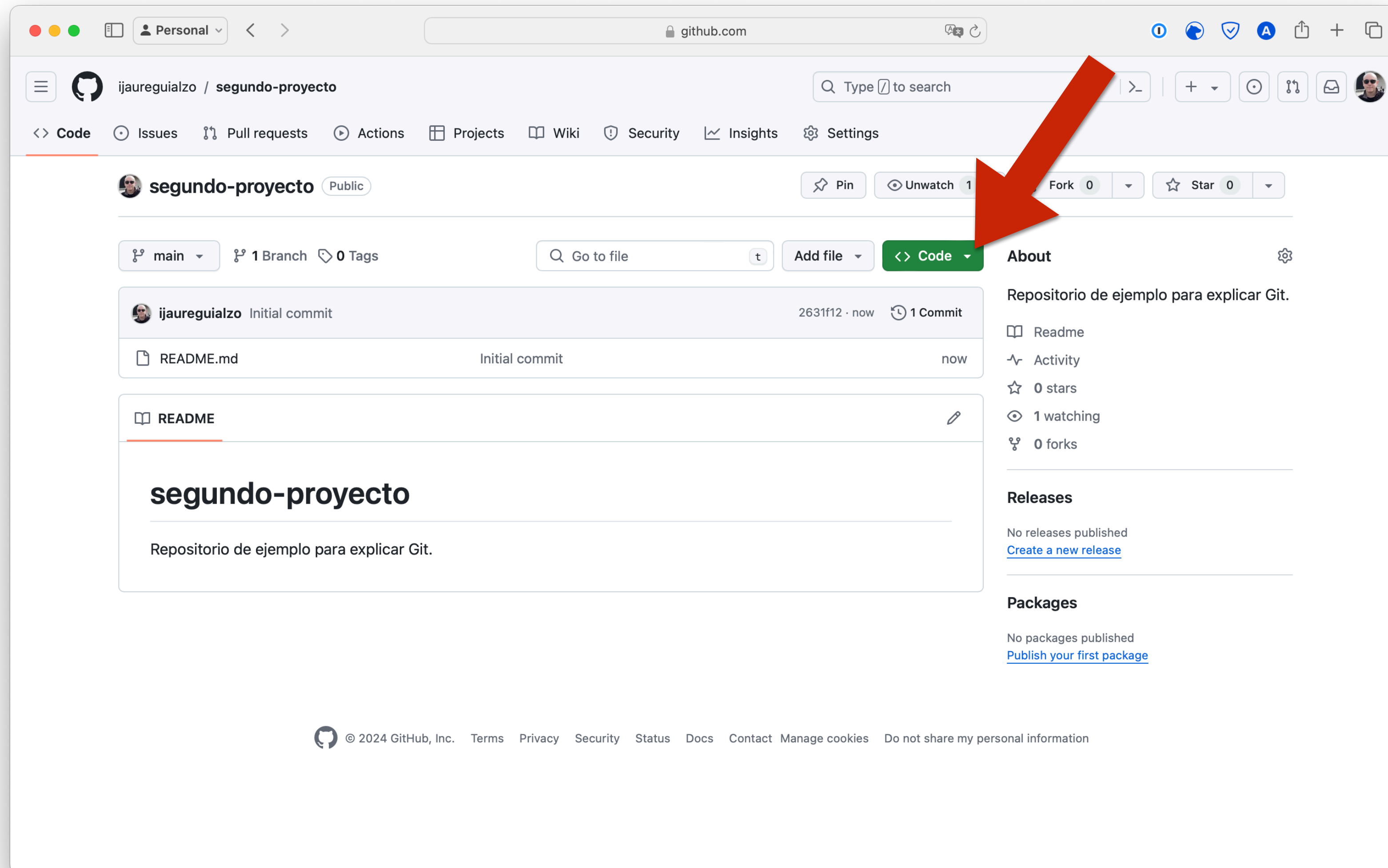
No releases published [Create a new release](#)

Packages

No packages published [Publish your first package](#)

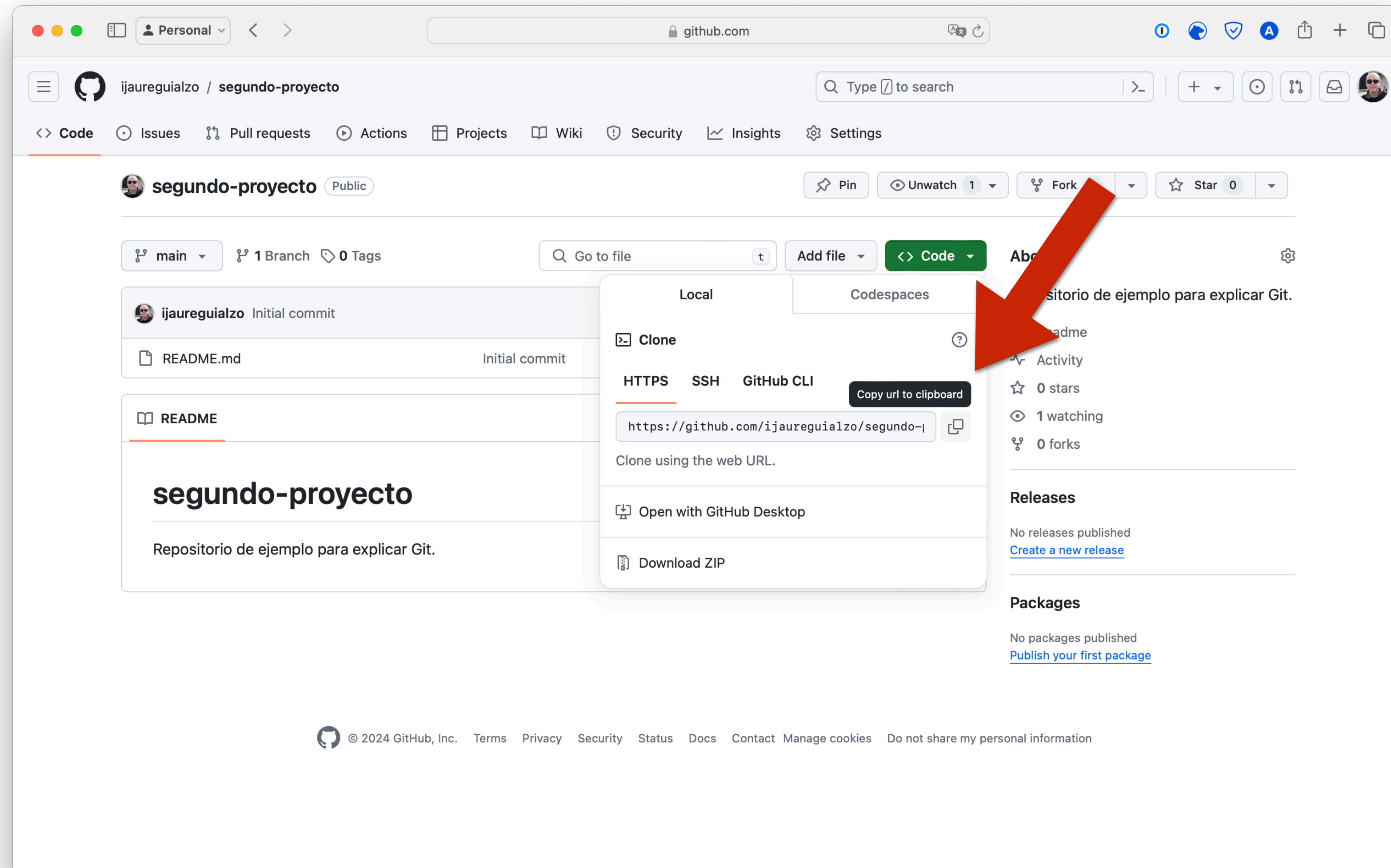
© 2024 GitHub, Inc. Terms Privacy Security Status Docs Contact Manage cookies Do not share my personal information

Obtener la URL del repositorio



The image shows a screenshot of a GitHub repository page for a user named 'ijaureguiualzo' and a repository named 'segundo-proyecto'. The page is in Spanish. At the top, there is a navigation bar with the GitHub logo, the user name, and the repository name. Below this, there are tabs for 'Code', 'Issues', 'Pull requests', 'Actions', 'Projects', 'Wiki', 'Security', 'Insights', and 'Settings'. The 'Code' tab is selected. In the center of the page, there is a green button labeled 'Code' with a dropdown arrow. A large red arrow points to this button. To the right of the 'Code' button, there is an 'About' section with the text 'Repositorio de ejemplo para explicar Git.' and several icons for 'Readme', 'Activity', '0 stars', '1 watching', and '0 forks'. Below the 'About' section, there are sections for 'Releases' and 'Packages', both with 'No releases published' and 'No packages published' respectively, and links to 'Create a new release' and 'Publish your first package'. At the bottom of the page, there is a footer with the GitHub logo, the year '© 2024 GitHub, Inc.', and various links for 'Terms', 'Privacy', 'Security', 'Status', 'Docs', 'Contact', 'Manage cookies', and 'Do not share my personal information'.

Obtener la URL del repositorio



The screenshot shows a web browser window displaying a GitHub repository page for 'ijaureguialzo / segundo-proyecto'. The 'Code' button is highlighted with a green border, and its dropdown menu is open, showing options for cloning the repository. A red arrow points to the 'Clone' option, which is selected. The dropdown menu displays the following options:

- Local
- Codespaces
- Clone (selected)
- HTTPS (selected)
- SSH
- GitHub CLI
- Copy url to clipboard
- https://github.com/ijaureguialzo/segundo- (with a copy icon)
- Clone using the web URL.
- Open with GitHub Desktop
- Download ZIP

The repository page also shows the following information:

- Repository name: **segundo-proyecto** (Public)
- Branch: **main** (1 Branch, 0 Tags)
- Initial commit by **ijaureguialzo**
- Files: **README.md** (Initial commit)
- README content: **segundo-proyecto** (Repositorio de ejemplo para explicar Git.)
- Repository statistics: 0 stars, 1 watching, 0 forks
- Releases: No releases published (Create a new release)
- Packages: No packages published (Publish your first package)

The footer of the page includes the GitHub logo, copyright information (© 2024 GitHub, Inc.), and links for Terms, Privacy, Security, Status, Docs, Contact, Manage cookies, and Do not share my personal information.

Descargar una copia del repositorio remoto

```
git clone https://github.com/ijaureguialzo/segundo-proyecto.git
```

```
Clonando en 'segundo-proyecto'...  
remote: Enumerating objects: 3, done.  
remote: Counting objects: 100% (3/3), done.  
remote: Compressing objects: 100% (2/2), done.  
remote: Total 3 (delta 0), reused 0 (delta 0), pack-reused 0  
Recibiendo objetos: 100% (3/3), listo.
```

Crear y confirmar cambios

```
echo "Contenido del fichero B" > b.txt  
git add b.txt  
git commit -m "Creado el fichero B"
```

```
[main 44d5b9c] Creado el fichero B  
1 file changed, 1 insertion(+)  
create mode 100644 b.txt
```

Enviar los cambios al remoto

```
git push
```

```
Enumerando objetos: 4, listo.  
Contando objetos: 100% (4/4), listo.  
Compresión delta usando hasta 10 hilos  
Comprimiendo objetos: 100% (2/2), listo.  
Escribiendo objetos: 100% (3/3), 706 bytes | 706.00 KiB/s, listo.  
Total 3 (delta 0), reused 0 (delta 0), pack-reused 0 (from 0)  
To https://github.com/ijaureguialzo/segundo-proyecto.git  
2631f12..44d5b9c main -> main
```

Visualizar el histórico de cambios

```
git log
```

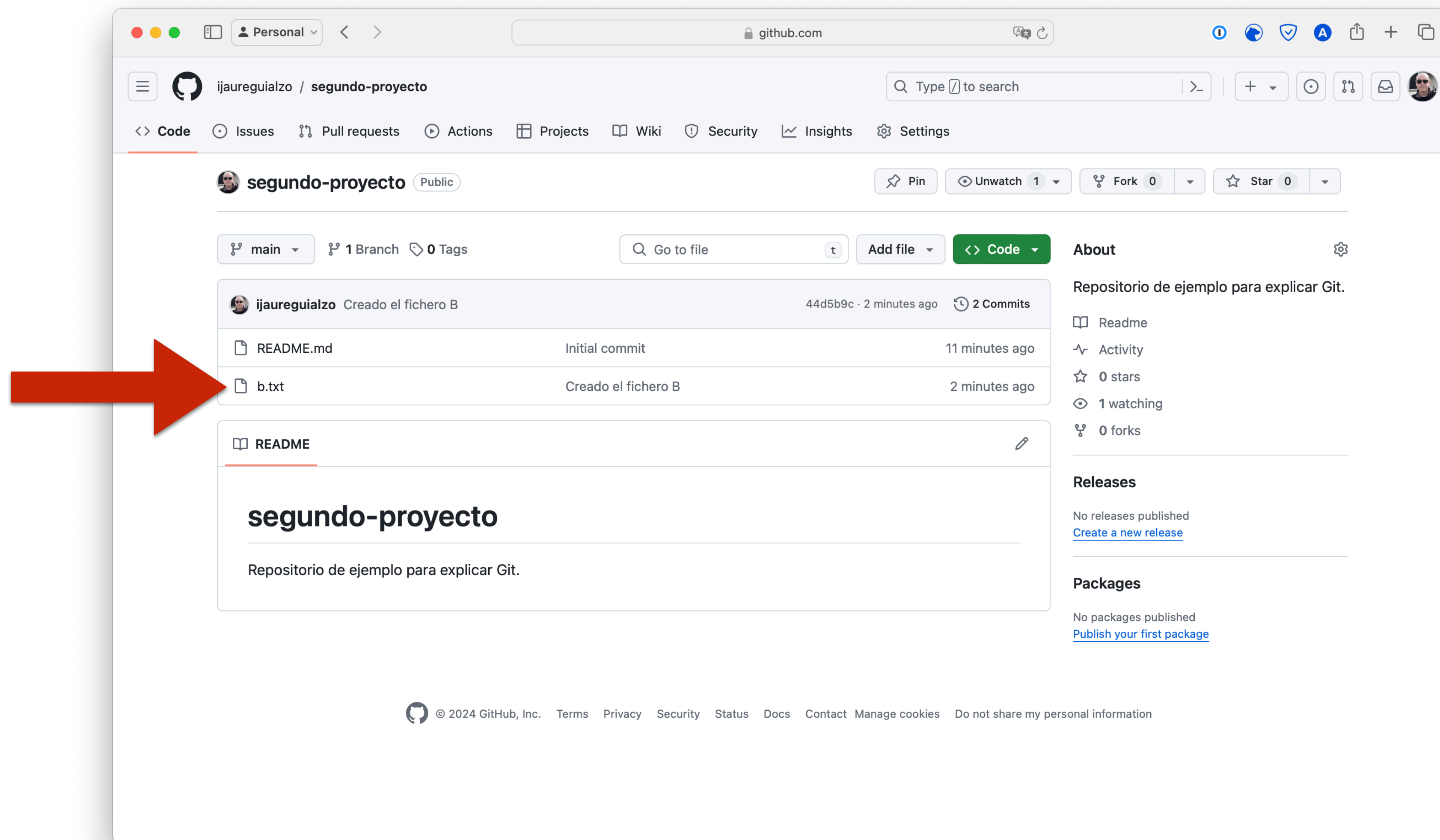
```
commit 44d5b9c2265c185ff5271ead5a32747dc6f0f944 (HEAD -> main, origin/main, origin/HEAD)  
Author: Ion Jaureguialzo Sarasola <ion@jaureguialzo.com>  
Date: Thu Jun 13 20:37:35 2024 +0200
```

Creado el fichero B

```
commit 2631f12f281e27cb0b351553662203387fa10c97  
Author: Ion Jaureguialzo Sarasola <ion@jaureguialzo.com>  
Date: Thu Jun 13 20:29:01 2024 +0200
```

Initial commit

Visualizar el histórico de cambios

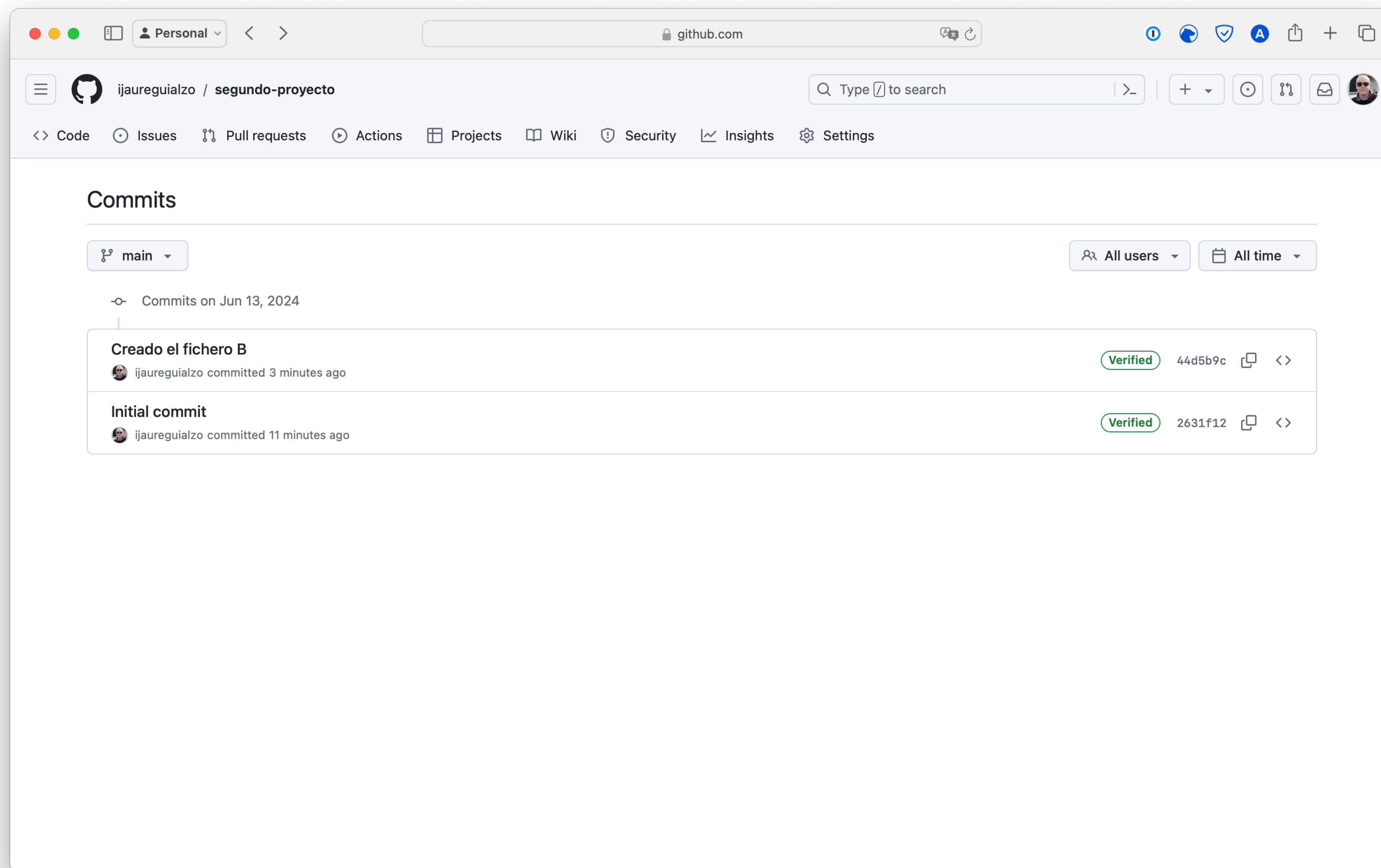


The screenshot shows a GitHub repository page for 'segundo-proyecto' by user 'ijaureguiualzo'. The page displays the commit history table, which is highlighted by a red arrow. The table shows two commits: 'Initial commit' for 'README.md' and 'Creado el fichero B' for 'b.txt'. The commit history table is as follows:

Commit	Author	Message	Time
44d5b9c	ijaureguiualzo	Initial commit	11 minutes ago
	ijaureguiualzo	Creado el fichero B	2 minutes ago

The page also shows the repository name 'segundo-proyecto', the user profile 'ijaureguiualzo', and the repository description 'Repositorio de ejemplo para explicar Git.' The commit history table is the primary focus, with a red arrow pointing to it.

Visualizar el histórico de cambios



Flujo alternativo

1. Inicializamos un repositorio remoto vacío
2. Vinculamos el repositorio remoto con el local
3. Creamos commits en el repositorio local
4. Enviamos los cambios al repositorio remoto, sincronizándolo con el local

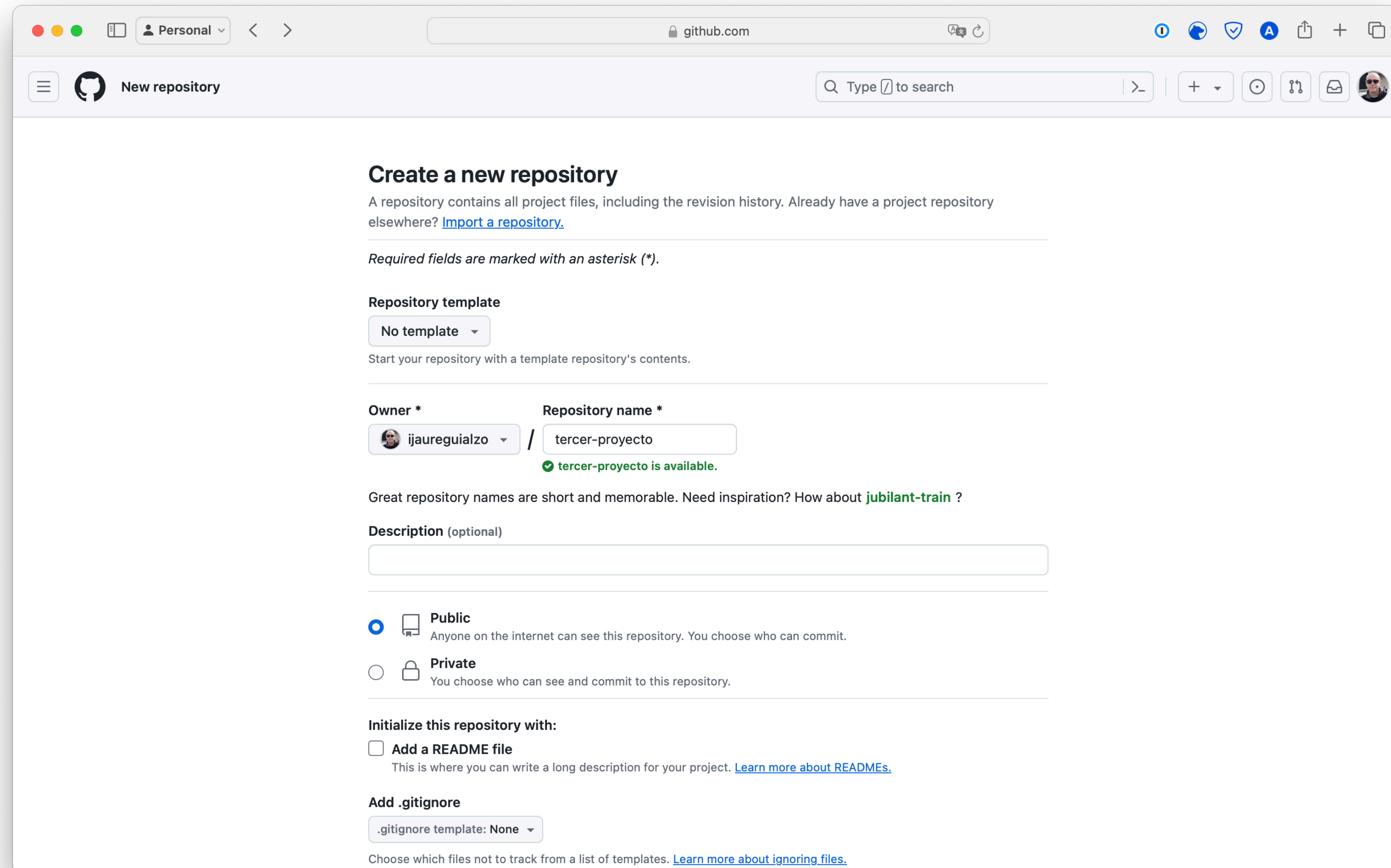
Repositorio local ya existente

```
git init tercer-proyecto
cd tercer-proyecto
echo "tercer-proyecto" > README.md
git add --all
git commit -m "Commit inicial"
```

```
Inicializado repositorio Git vacío en /Users/.../tercer-proyecto/.git/
```

```
[master (commit-raíz) a082347] Commit inicial
1 file changed, 1 insertion(+)
create mode 100644 README.md
```

Inicializar un repositorio remoto vacío



The screenshot shows the GitHub 'New repository' page. The browser address bar is 'github.com'. The page title is 'New repository'. The main heading is 'Create a new repository'. Below the heading, there is a paragraph explaining that a repository contains all project files and revision history, with a link to 'Import a repository'. A note states 'Required fields are marked with an asterisk (*)'. The 'Repository template' section has a dropdown menu set to 'No template'. The 'Owner' field is set to 'ijaureguialzo' and the 'Repository name' field is set to 'tercer-proyecto', with a green checkmark indicating 'tercer-proyecto is available'. Below the name fields, there is a suggestion for 'jubilant-train'. The 'Description (optional)' field is empty. The 'Public' radio button is selected, with the text 'Anyone on the internet can see this repository. You choose who can commit.' The 'Private' radio button is unselected, with the text 'You choose who can see and commit to this repository.' The 'Initialize this repository with:' section has the 'Add a README file' checkbox unselected, with a link to 'Learn more about READMEs'. The 'Add .gitignore' section has a dropdown menu set to '.gitignore template: None', with a link to 'Learn more about ignoring files'.

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 ().*

Repository template

No template ▾

Start your repository with a template repository's contents.

Owner * **Repository name ***

ijaureguialzo / tercer-proyecto

✓ tercer-proyecto is available.

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

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

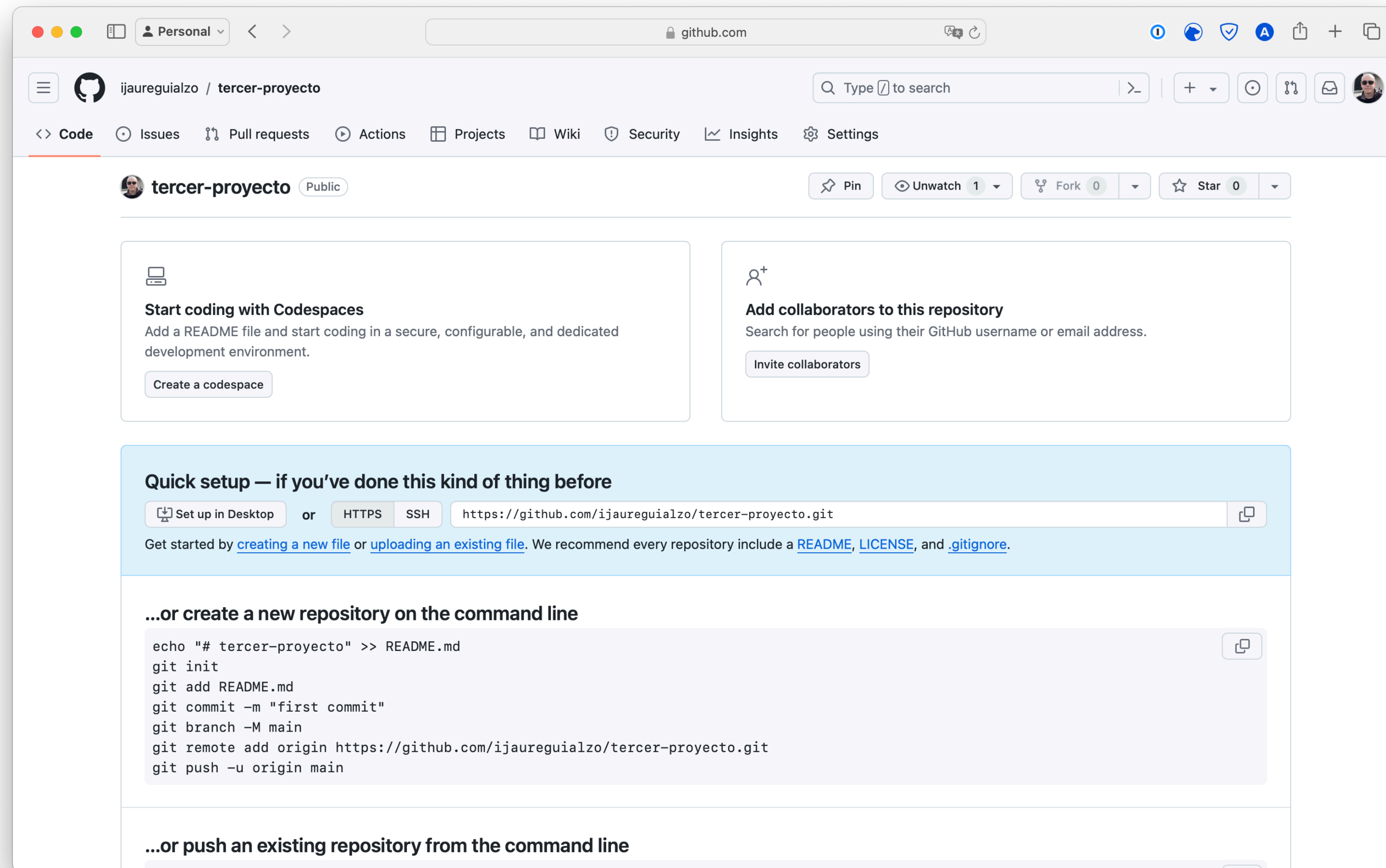
.gitignore template: None ▾

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

Inicializar un repositorio remoto vacío

Repository template	No template
Owner	ijauregualzo
Repository name	tercer-proyecto
Description	Ejemplo de repositorio vacío.
Visibilidad	Public
Add a README file	No
Add .gitignore	No
Choose a license	None

Repositorio remoto vacío



The screenshot shows the GitHub interface for a repository named 'tercer-proyecto' by user 'ijaureguialzo'. The repository is public and currently has 0 forks and 0 stars. The main content area features three primary actions:

- Start coding with Codespaces:** A card with a laptop icon and text: "Add a README file and start coding in a secure, configurable, and dedicated development environment." Below this is a button labeled "Create a codespace".
- Add collaborators to this repository:** A card with a person icon and text: "Search for people using their GitHub username or email address." Below this is a button labeled "Invite collaborators".

Below these cards is a light blue section titled "Quick setup — if you've done this kind of thing before". It provides two options for cloning the repository:

- Set up in Desktop:** A button with a download icon.
- HTTPS:** A button with the text "or" and "SSH" next to it.
- SSH:** A button with the text "or" and "HTTPS" next to it.


The repository URL is displayed in a text box: `https://github.com/ijaureguialzo/tercer-proyecto.git`. Below the text box, it says: "Get started by [creating a new file](#) or [uploading an existing file](#). We recommend every repository include a [README](#), [LICENSE](#), and [.gitignore](#)."

Further down, there is a section titled "...or create a new repository on the command line" with a code block containing the following commands:

```
echo "# tercer-proyecto" >> README.md
git init
git add README.md
git commit -m "first commit"
git branch -M main
git remote add origin https://github.com/ijaureguialzo/tercer-proyecto.git
git push -u origin main
```

Ayuda de GitHub

Quick setup — if you've done this kind of thing before

 Set up in Desktop

or

HTTPS

SSH

`https://github.com/ijaureguialzo/tercer-proyecto.git`



Get started by [creating a new file](#) or [uploading an existing file](#). We recommend every repository include a [README](#), [LICENSE](#), and [.gitignore](#).

...or create a new repository on the command line

```
echo "# tercer-proyecto" >> README.md
git init
git add README.md
git commit -m "first commit"
git branch -M main
git remote add origin https://github.com/ijaureguialzo/tercer-proyecto.git
git push -u origin main
```



...or push an existing repository from the command line

```
git remote add origin https://github.com/ijaureguialzo/tercer-proyecto.git
git branch -M main
git push -u origin main
```



Vincular el repositorio remoto

```
git remote add origin https://github.com/ijaureguialzo/tercer-proyecto.git
```

(si todo va bien, no sale nada en pantalla)

Rama principal del repositorio

- Cuando se inicializa un repositorio, se configura el nombre de la rama principal
- Los nombres más habituales son `master` o `main`
- Al hacer el primer push al repositorio remoto, tenemos que especificar el nombre de la rama remota que vamos a vincular con nuestra rama local

Obtener el nombre de la rama actual

```
git status
```

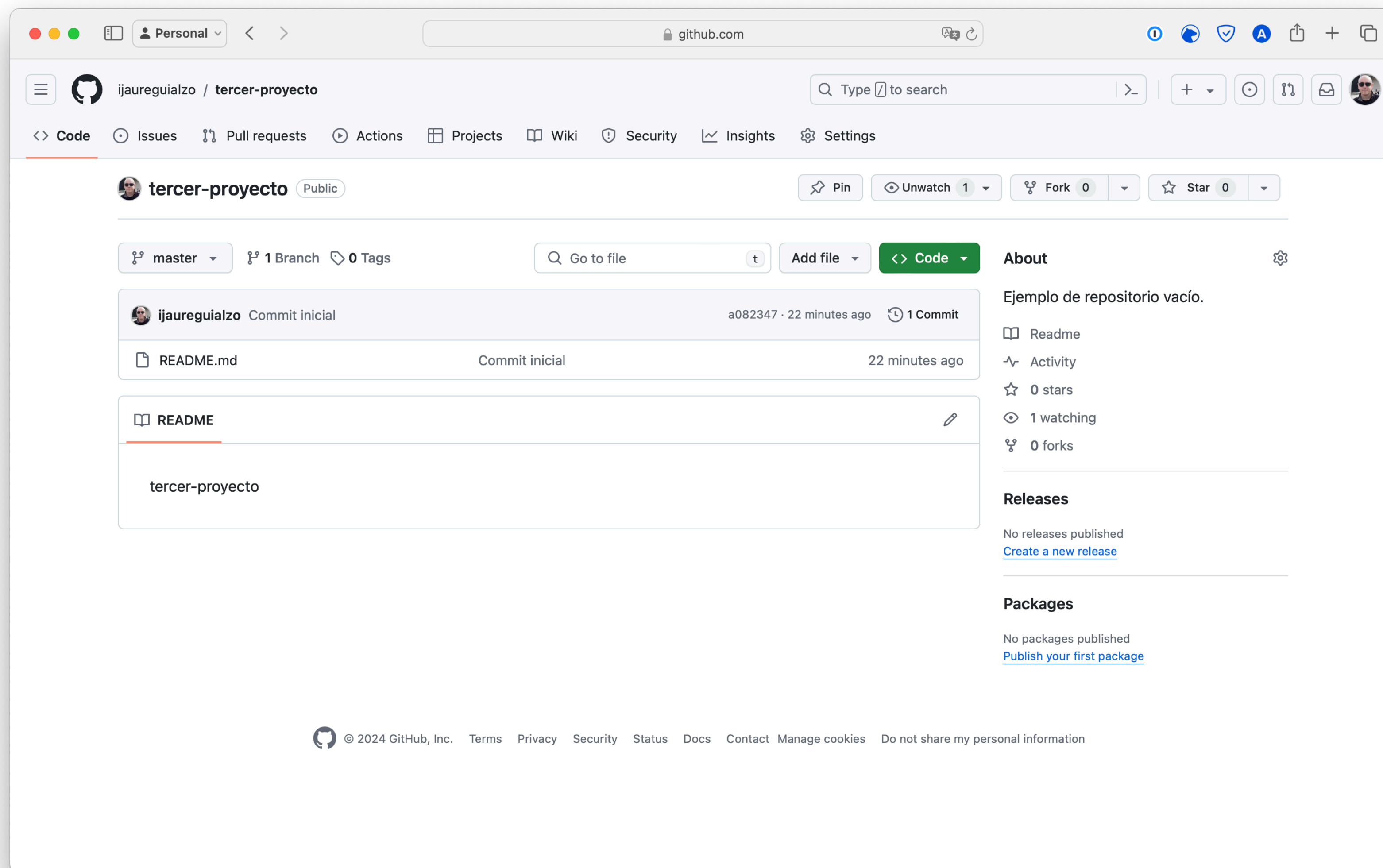
```
En la rama master  
nada para hacer commit, el árbol de trabajo está limpio
```

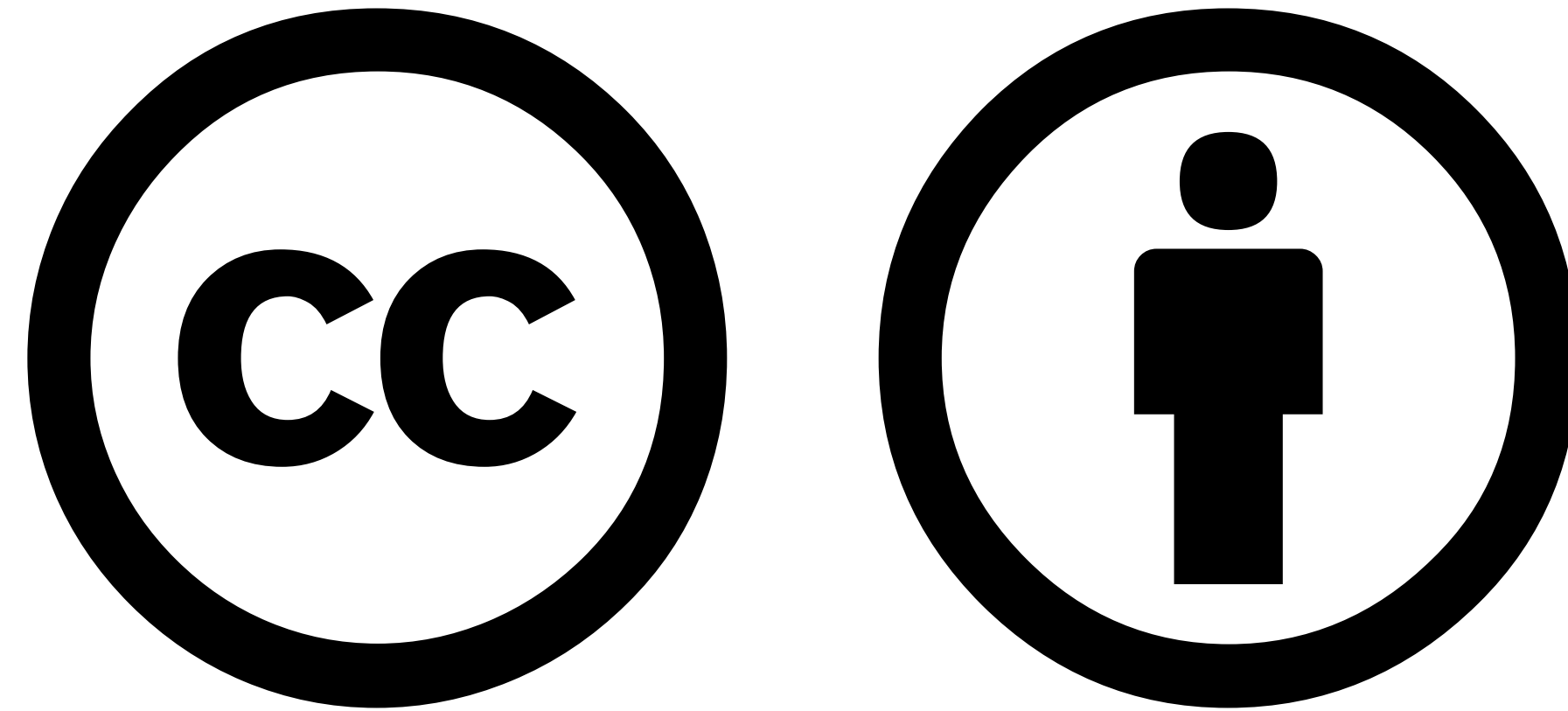
Enviar los cambios al remoto

```
git push -u origin master
```

```
Enumerando objetos: 3, listo.  
Contando objetos: 100% (3/3), listo.  
Escribiendo objetos: 100% (3/3), 624 bytes | 624.00 KiB/s, listo.  
Total 3 (delta 0), reused 0 (delta 0), pack-reused 0 (from 0)  
To https://github.com/ijaureguialzo/tercer-proyecto.git  
* [new branch]      master -> master  
rama 'master' configurada para rastrear 'origin/master'.
```

Repositorio remoto sincronizado





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