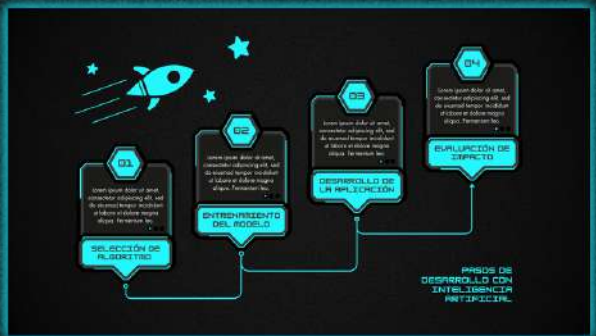
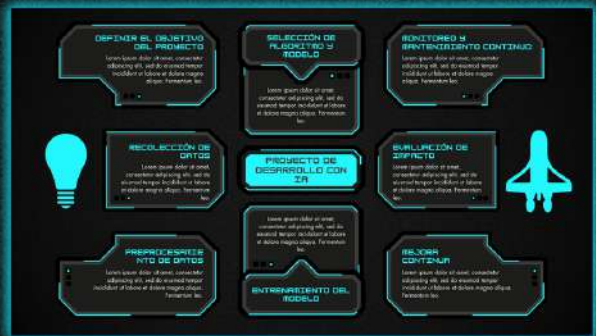
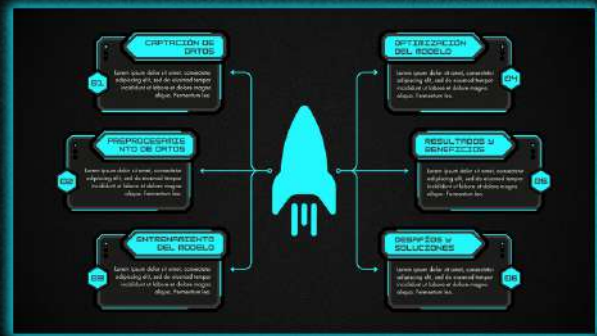


GIT Y GITHUB

Object Oriented Programming

CHICAIZA STEFANY
CHIRIBOGA THOMAS
VIVER DANNY



WHAT'S GIT?

Version control
system

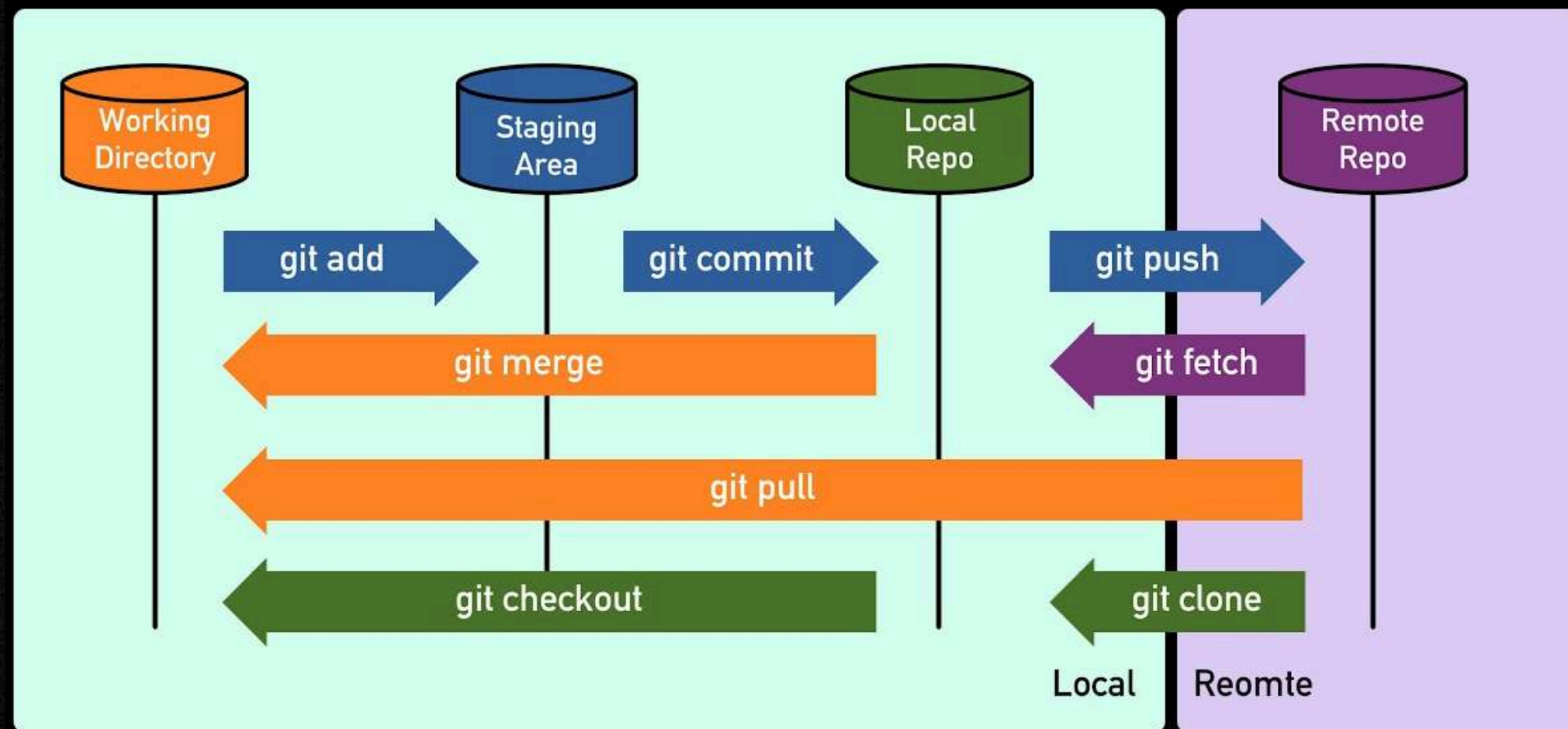
01



Used by programmers
because it makes it
easier to collaborate

02

How Git Actually Works



- Clone the repository (git clone)
- Add changes to the staging area (git add)
- Commit changes (git commit)
- Send changes to the remote repository (git push)
- Get changes from the remote repository (git fetch and git pull)
- Merge branches (git merge)
- Switch between branches (git checkout or git switch)

Online platform that
hosts repositories of
projects that use Git

01



WHAT'S
GITHUB?

Provides tools such as
repositories,
branches, and pull
requests

02

DIFFERENCES BETWEEN GIT AND GITHUB

GIT

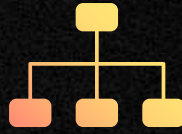


Tool that is a tool that works as a "change history" of your project. It works as a "change history" of your project.

Save your project history locally, that is, on your own computer.



Create versions of your project



You can use it only on your computer if you only need the change history



It simply handles version control

commits
branches
merges
rebases



It's like a "cloud copy" of your project.



You use it to collaborate.



It doesn't work alone, it requires Git to create and manage changes to the project.



Extra Features for Collaboration

Issues
Pull Requests
Discussions

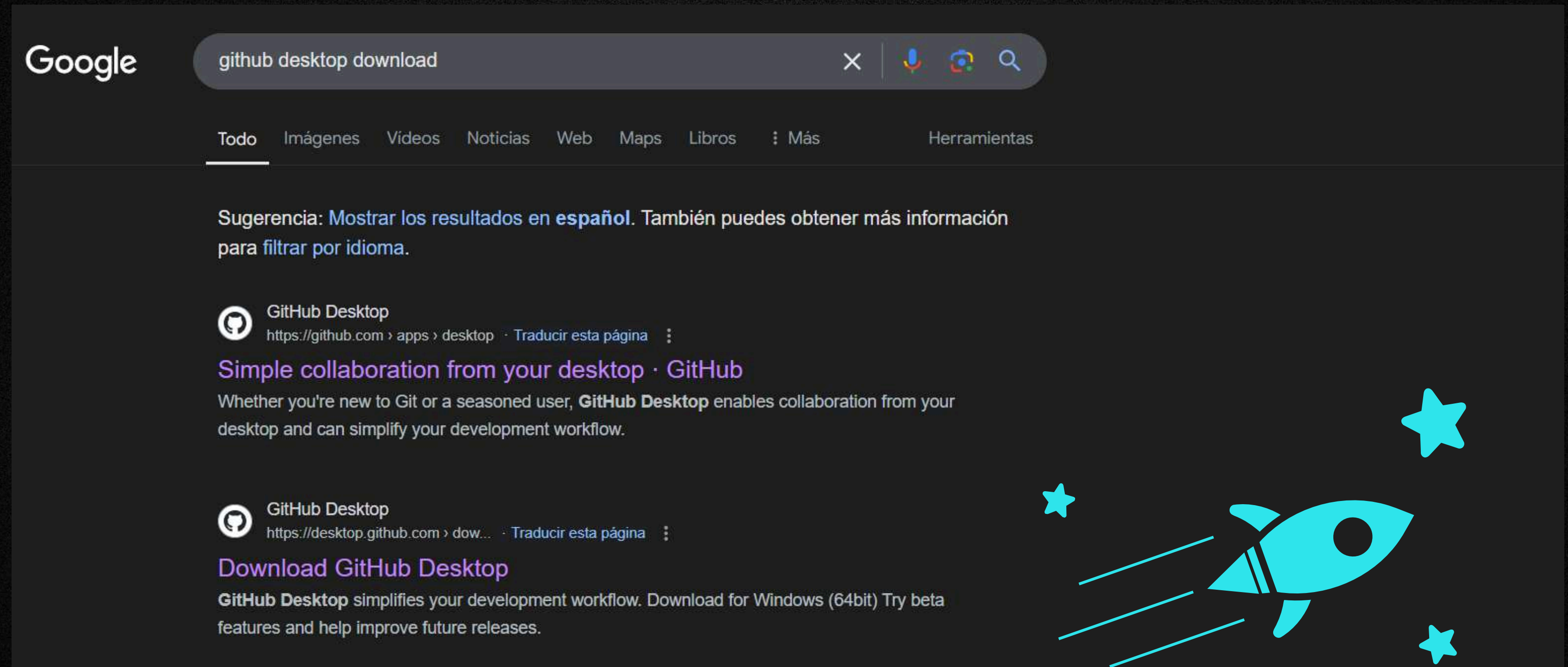


GITHUB




It is an online platform where you can host these Git projects, share them with others and work as a team.

PROGRAM INSTALLATION



PROGRAM INSTALLATION

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[/](#) [Sign in](#) [Sign up](#)

[GitHub Desktop](#) [Download](#) [Release Notes](#) [Help](#)

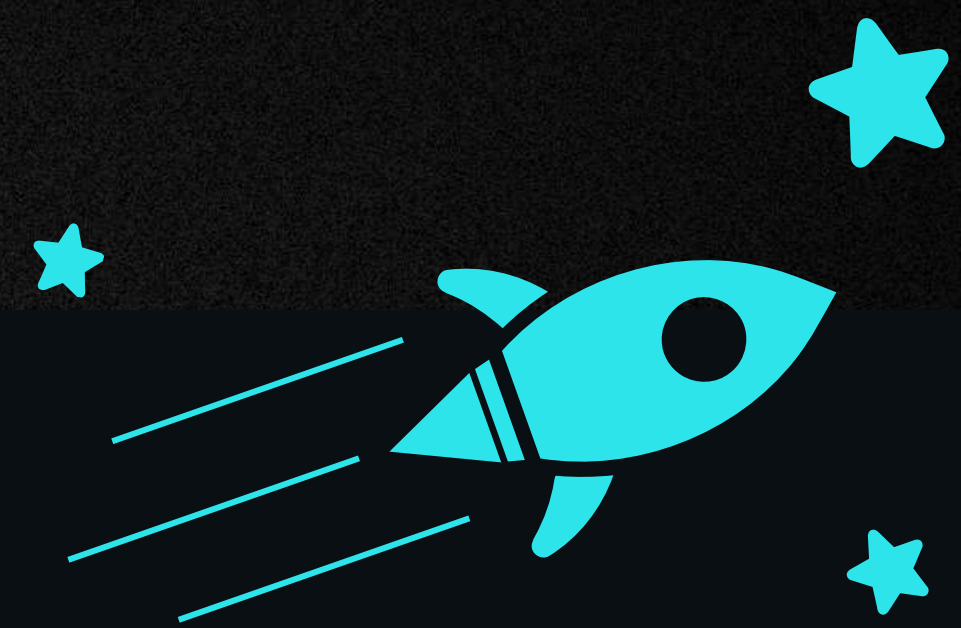
GitHub Desktop

Experience Git without the struggle

Whether you're new to Git or a seasoned user, GitHub Desktop simplifies your development workflow.

[Download now >](#)

PROGRAM INSTALLATION



**GitHub
Desktop**

[Download](#)

[Release Notes](#)

[Help](#)

Download GitHub Desktop

Focus on what matters instead of fighting with Git. Whether you're new to Git or a seasoned user, GitHub Desktop simplifies your development workflow.

[Download for Windows \(64bit\)](#)

Try beta features and help improve future releases

Experience the latest features and bug fixes before they're released.

[Check out Beta](#)

Prefer the MSI?

Need to package to install across your organization?

[Download for Windows \(MSI\)](#)

Mac?

Need to download for macOS?

[Download for macOS](#)

PROGRAM INSTALLATION

Descargas

←

→

↑

↺

🖥️

>

Este equipo

>

Acer (C:)

>

Usuarios

>

DANNY VIVER

>

Descargas

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Nuevo

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↕️

Ordenar

☰

Ver

⋮

Inicio

Galería

> Danny - Persona

Escritorio

Descargas

Documentos

Imágenes

Música

Videos

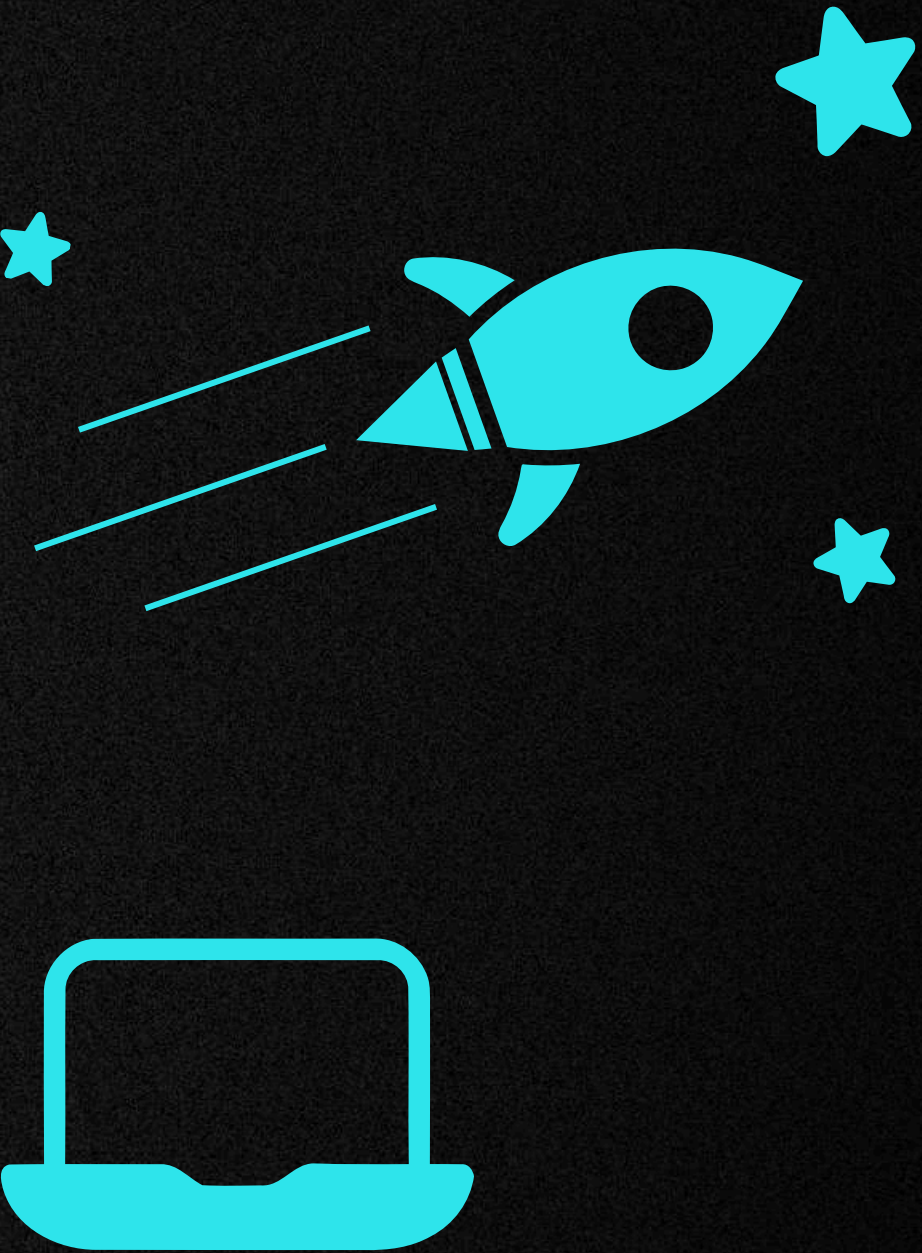
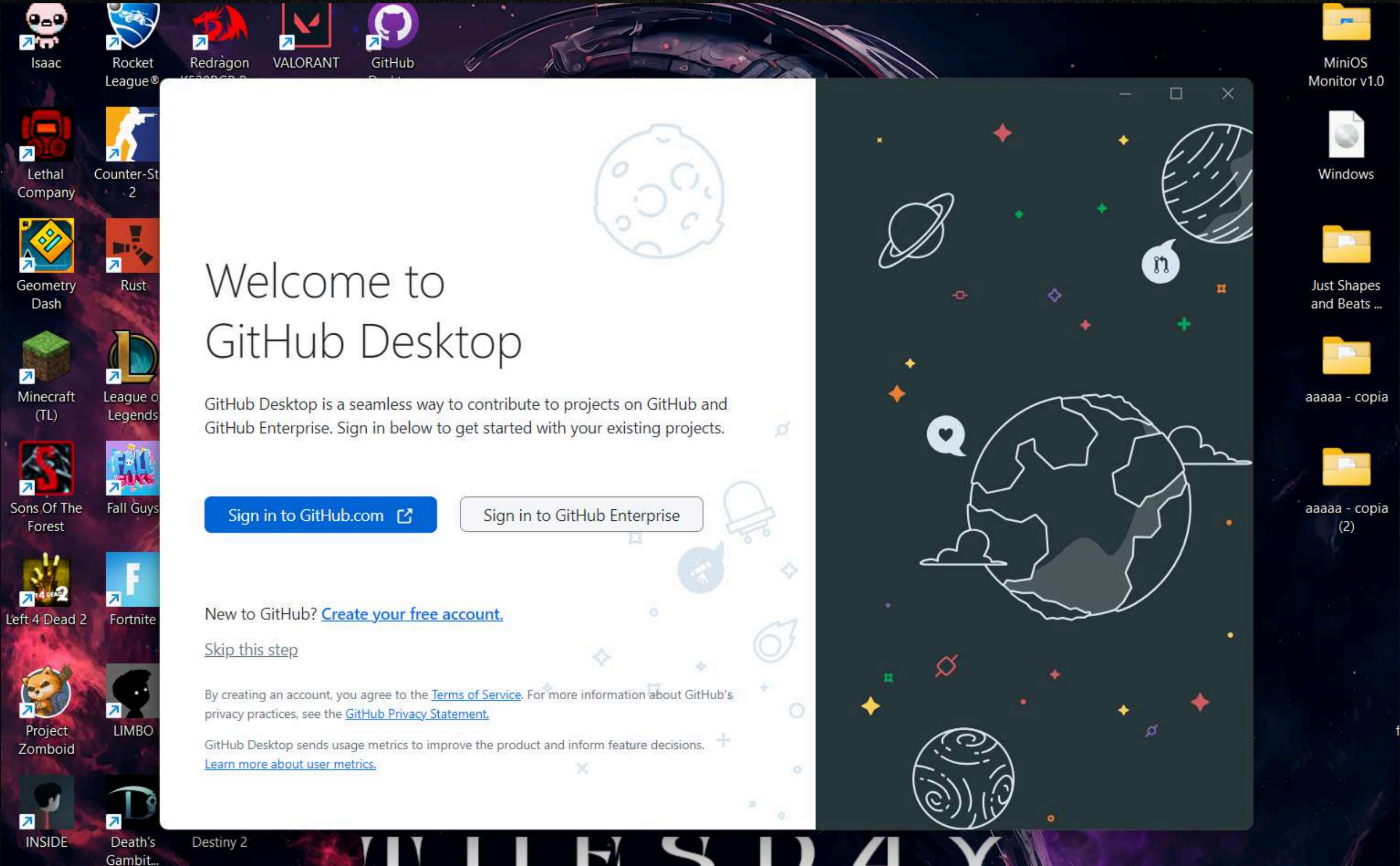
Nombre	Fecha de modificación	Tipo	Tamaño
▼ Hoy			
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▼ Al principio de este mes			
🔗 Deberes de conducción	10/10/2024 12:27 AM	Opera GX Web Do...	3.980 KB
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🔗 CARATULA	3/10/2024 2:20 PM	Opera GX Web Do...	198 KB
🔗 CARTA COBRO TARJETA DE CREDITO EDI...	3/10/2024 2:20 PM	Opera GX Web Do...	545 KB

🌟


🚀

🌟

PROGRAM INSTALLATION



PROGRAM INSTALLATION



Already have an account? [Sign in →](#)

Welcome to GitHub!

Let's begin the adventure

Enter your email*

✓ dfviver@espe.edu.ec

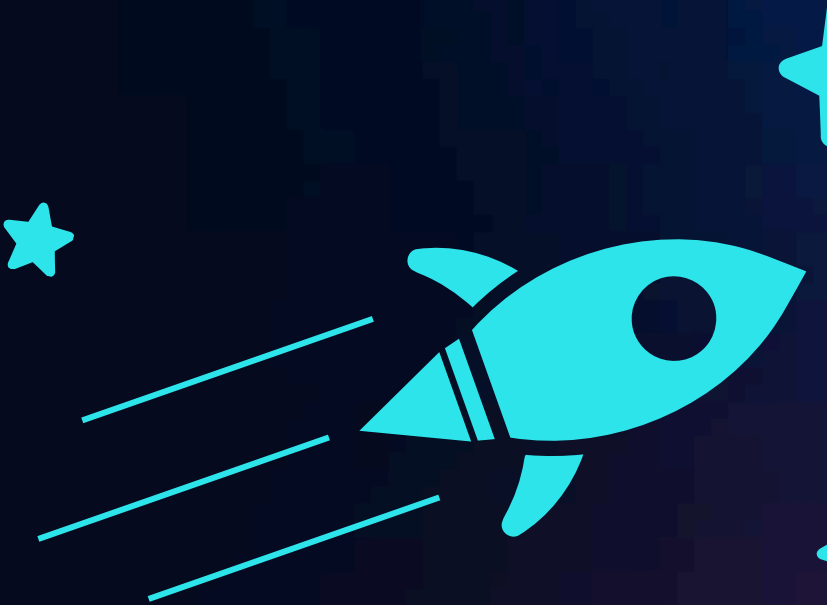
Create a password*

✓

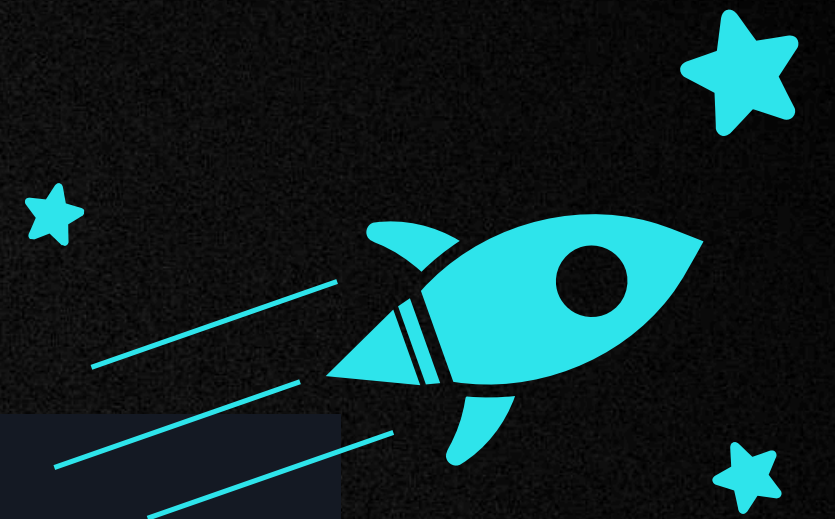
Enter a username*

→ Danny Viver

Continue



PROGRAM INSTALLATION



Select user to authorize
GitHub Desktop



Signed in as

DV

Continue

Use a different account



Authorize GitHub Desktop



GitHub Desktop by [GitHub Desktop](#)
wants to access your BERSERKER-DV account



Repositories
Public and **private**



Personal user data
Full access



Workflow
Update GitHub Action Workflow files.

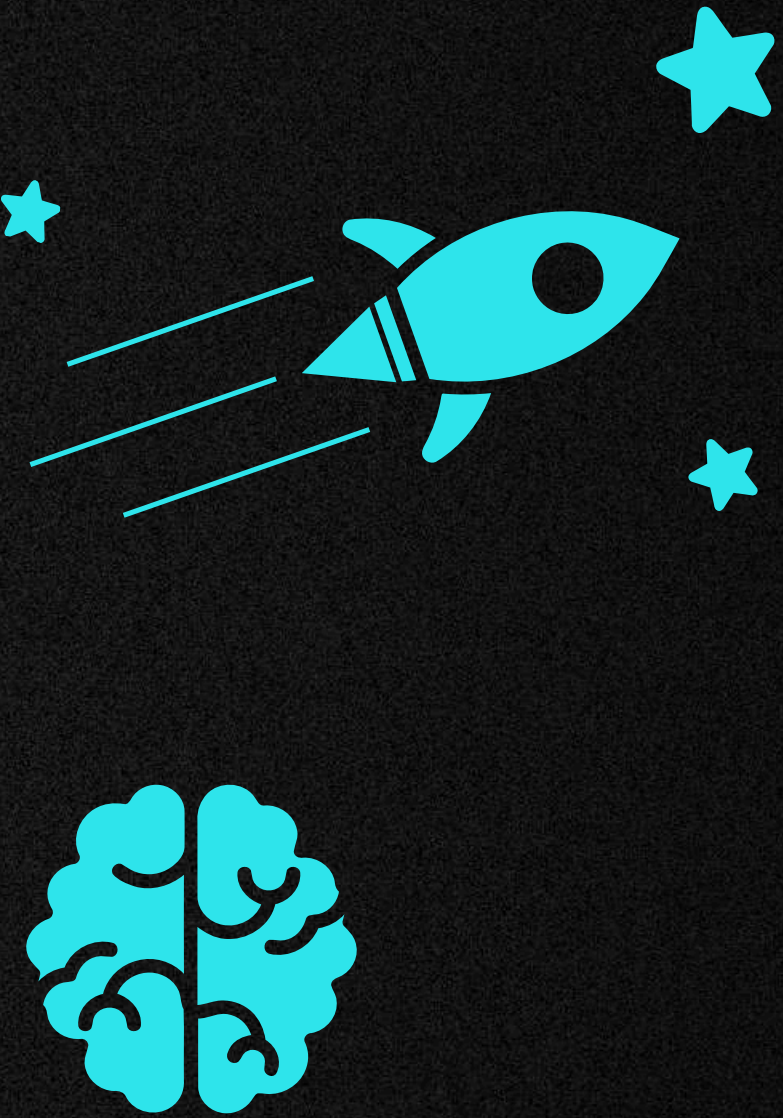
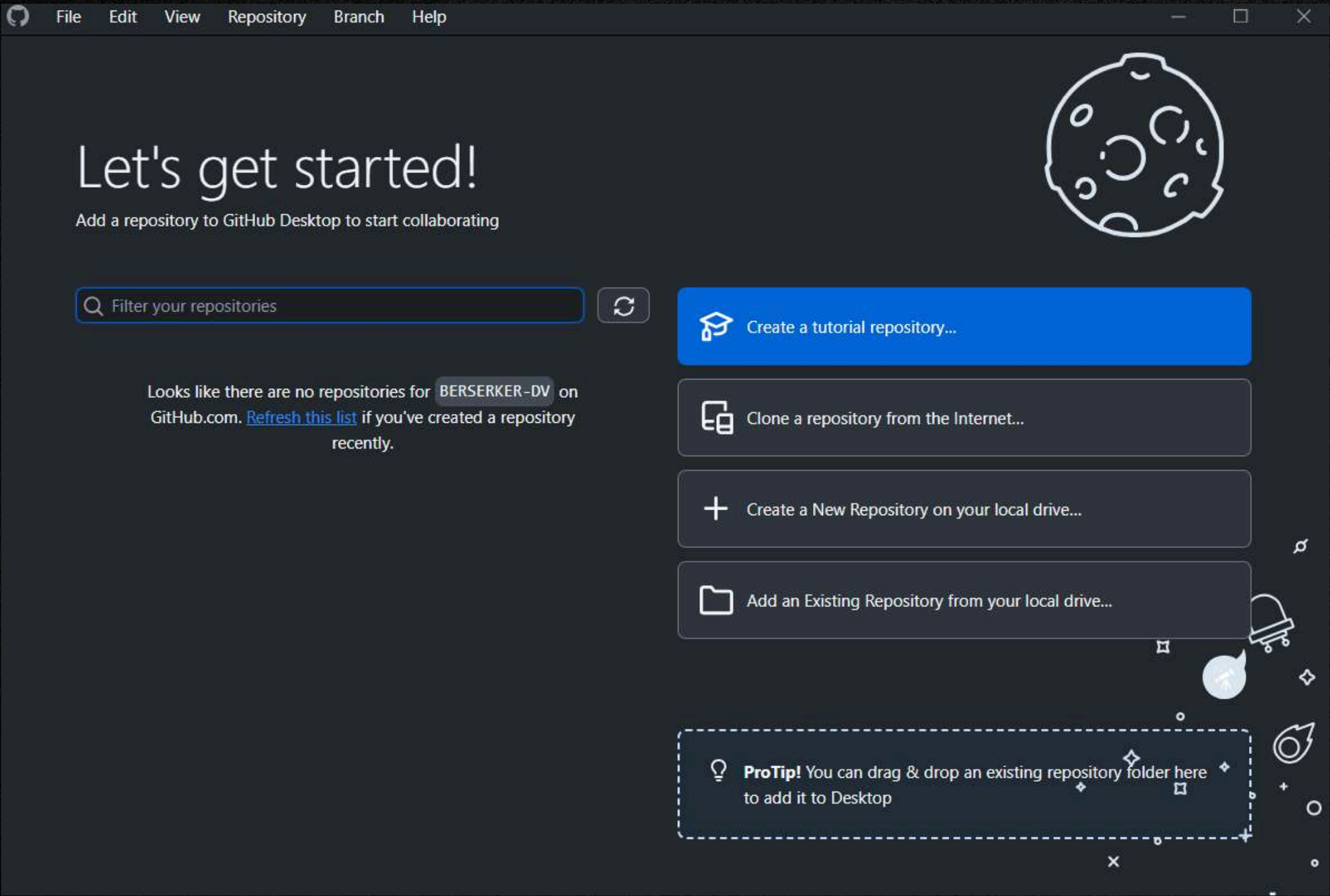


Cancel

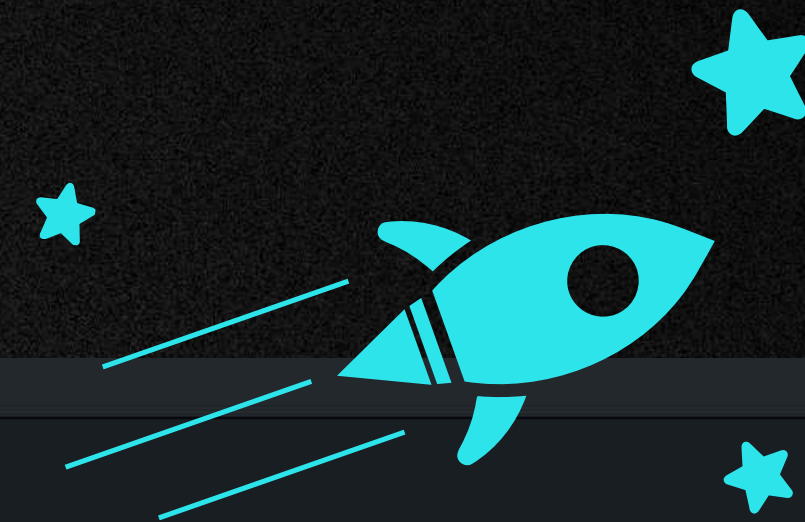
Authorize desktop

Authorizing will redirect to
`x-github-desktop-auth://oauth`

PROGRAM INSTALLATION



PROGRAM INSTALLATION



File Edit View Repository Branch Help

Current repository
desktop-tutorial

Current branch
main

Fetch origin
Last fetched 2 minutes ago


Changes

History


0 changed files

Welcome to GitHub Desktop


Use this tutorial to get comfortable with Git, GitHub, and GitHub Desktop.



Git is the version control system.



GitHub is where you store your code and collaborate with others.



GitHub Desktop helps you work with GitHub locally.

Summary (required)

Description

Get started

1 Install a text editor [Skip](#)

It doesn't look like you have a text editor installed. We can recommend [Visual Studio Code](#) or [Atom](#), but feel free to use any.
[I have an editor](#)


2 Create a branch

3 Edit a file


4 Make a commit

5 Publish to GitHub

PROGRAM INSTALLATION

 Visual Studio Code

[Docs](#) [Updates](#) [Blog](#) [API](#) [Extensions](#) [FAQ](#) [GitHub Copilot](#)



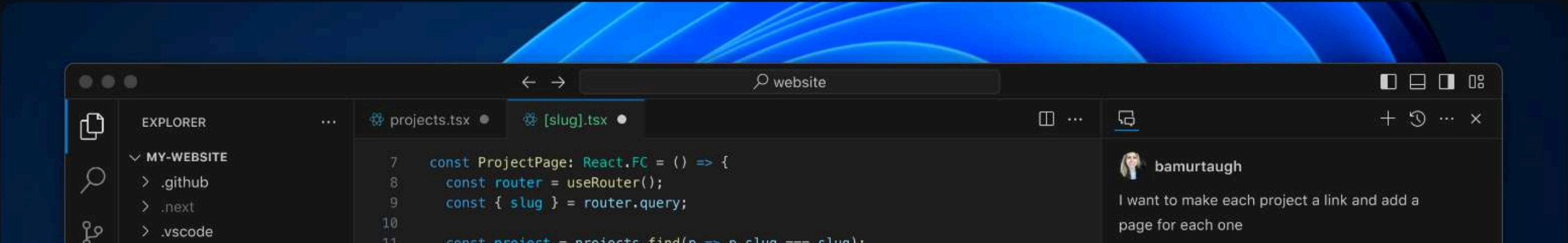
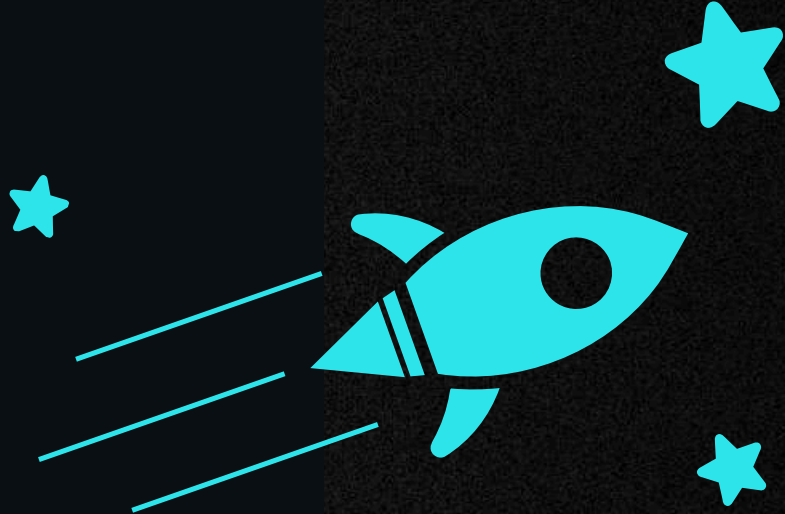
[Download](#)

[Version 1.95](#) is now available! Read about the new features and fixes from October.

Code faster with AI

Visual Studio Code with GitHub Copilot supercharges your code with AI-powered suggestions, right in your editor.

[Download for Windows](#) [Try GitHub Copilot](#)

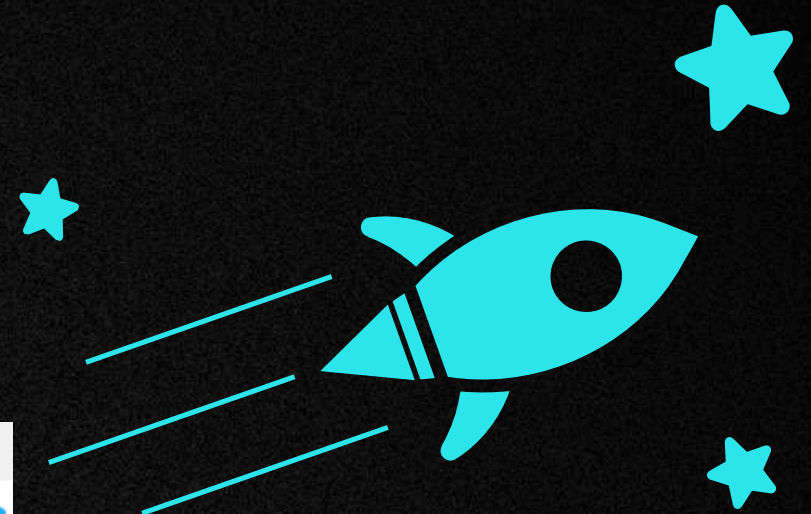


```
7  const ProjectPage: React.FC = () => {
8    const router = useRouter();
9    const { slug } = router.query;
10
11   const project = projects.find(o => o.slug === slug);
```

bamurtaugh

I want to make each project a link and add a page for each one

PROGRAM INSTALLATION



Instalar - Microsoft Visual Studio Code (User)

Acuerdo de Licencia

Es importante que lea la siguiente información antes de continuar.

Por favor, lea el siguiente acuerdo de licencia. Debe aceptar las cláusulas de este acuerdo antes de continuar con la instalación.

Esta licencia se aplica al producto Visual Studio Code. El código fuente para Visual Studio Code está disponible en <https://github.com/Microsoft/vscode> según el acuerdo de licencia del MIT en <https://github.com/microsoft/vscode/blob/main/LICENSE.txt>. Encontrará información adicional sobre licencias frecuentes en <https://code.visualstudio.com>


TÉRMINOS DE LICENCIA DEL MICROSOFT

☒ Acepto el acuerdo
☐ No acepto el acuerdo

Instalar - Microsoft Visual Studio Code (User)

Seleccione la Carpeta del Menú Inicio

¿Dónde deben colocarse los accesos directos del programa?

 El programa de instalación creará los accesos directos del programa en Menú Inicio.

Para continuar, haga clic en Siguiente. Si desea seleccionar una carpeta distinta

Visual Studio Code

☐ No crear una carpeta en el Menú Inicio

< Atrás Siguiente > Cancelar

Instalar - Microsoft Visual Studio Code (User)

Seleccione las Tareas Adicionales

¿Qué tareas adicionales deben realizarse?

Seleccione las tareas adicionales que desea que se realicen durante la instalación de Visual Studio Code y haga clic en Siguiente.

Accesos directos adicionales:

☐ Crear un acceso directo en el escritorio

Otros:

☐ Agregar la acción "Abrir con Code" al menú contextual de archivo del Explorador de Windows

☐ Agregar la acción "Abrir con Code" al menú contextual de directorio del Explorador de Windows

☒ Registrar Code como editor para tipos de archivo admitidos

☒ Agregar a PATH (disponible después de reiniciar)

File Edit Selection View ... Search

Walkthrough: Setup VS Code

< Welcome

Get Started with VS Code

Customize your editor, learn the basics, and start coding

☒ Choose your theme

The right theme helps you focus on your code, is easy on your eyes, and is simply more fun to use.

[Browse Color Themes](#)

Tip: Use keyboard shortcut **Ctrl + K, Ctrl + T**

☐ Rich support for all your languages

☐ Tune your settings

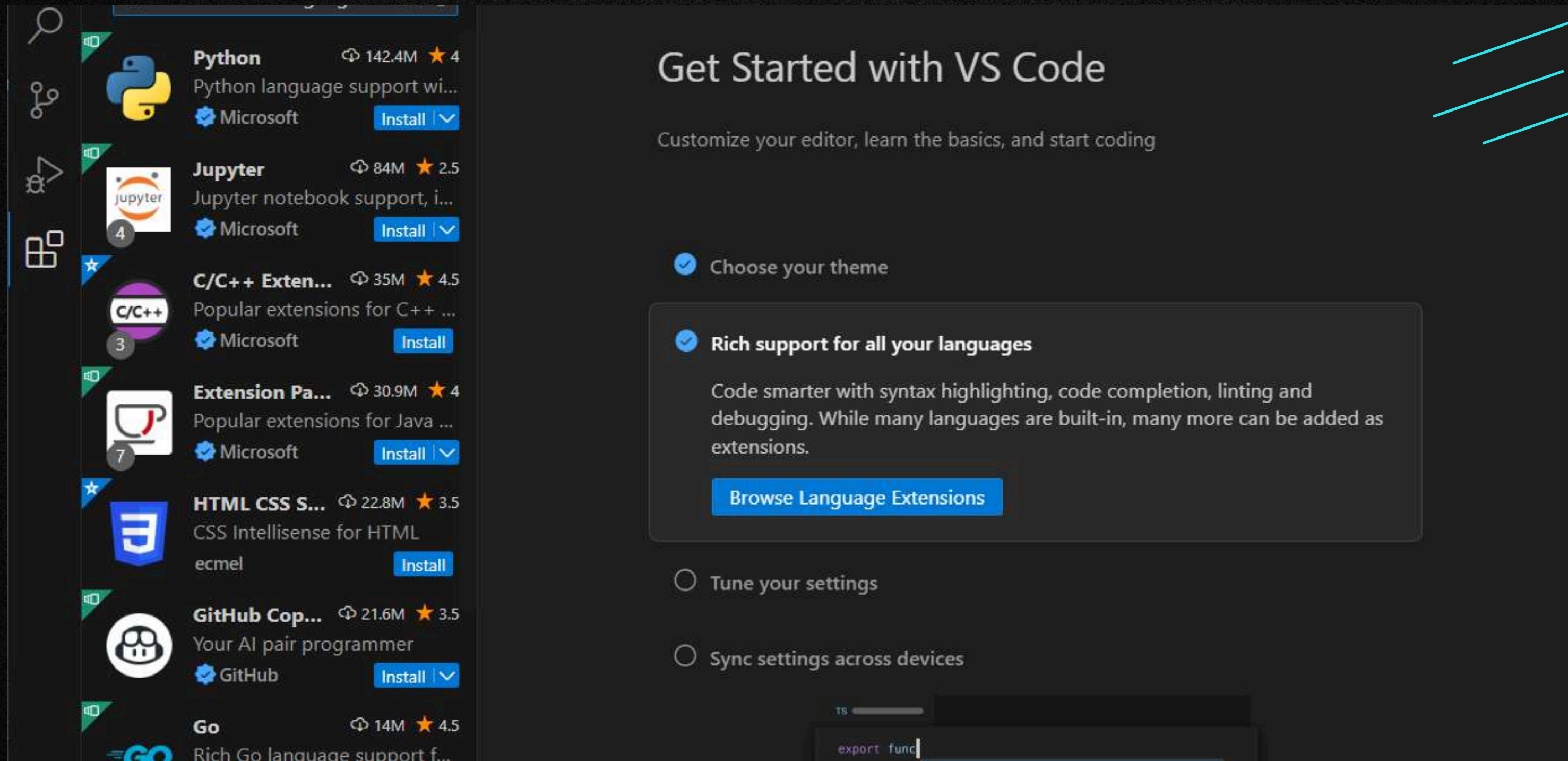
☐ Sync settings across devices

☐ Unlock productivity with the Command Pale.

Code collects usage data. Read our [privacy statement](#) and learn how to opt out.

Dark Modern Light Modern Dark High Contrast Light High Contrast See More Themes...

PROGRAM INSTALLATION



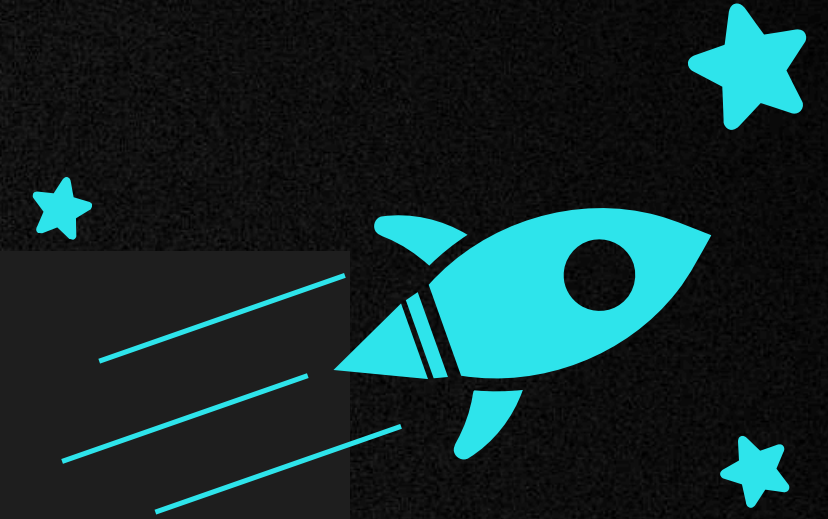
The image shows a screenshot of the Visual Studio Code (VS Code) interface. On the left, the 'Extensions' view is open, displaying a list of available extensions. The extensions listed are:

- Python** (142.4M, 4 stars) by Microsoft. Install button.
- Jupyter** (84M, 2.5 stars) by Microsoft. Install button.
- C/C++ Extension Pack** (35M, 4.5 stars) by Microsoft. Install button.
- Extension Pack for Java** (30.9M, 4 stars) by Microsoft. Install button.
- HTML CSS Support** (22.8M, 3.5 stars) by ecmel. Install button.
- GitHub Copilot** (21.6M, 3.5 stars) by GitHub. Install button.
- Go** (14M, 4.5 stars) by Google. Install button.

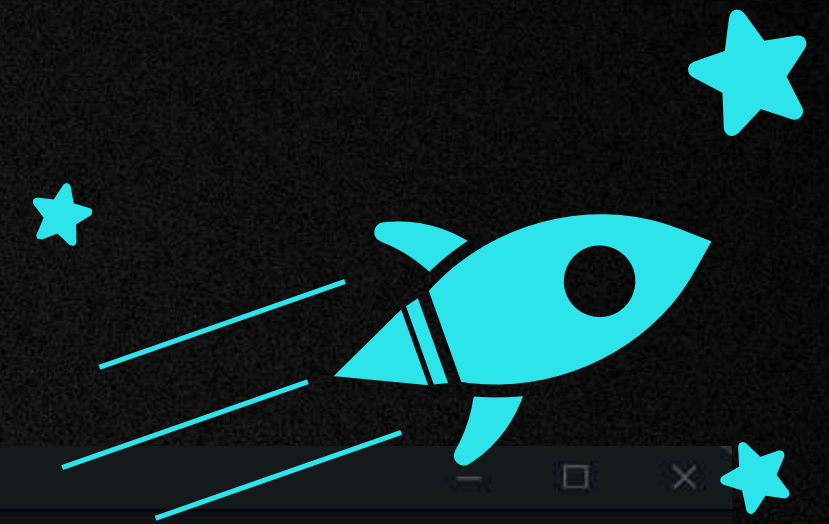
On the right, the 'Get Started with VS Code' onboarding screen is visible. It features the title 'Get Started with VS Code' and the subtitle 'Customize your editor, learn the basics, and start coding'. Below this, there are three main sections:

- Choose your theme** (checked): A section with a blue checkmark icon.
- Rich support for all your languages** (checked): A section with a blue checkmark icon. It includes the text: 'Code smarter with syntax highlighting, code completion, linting and debugging. While many languages are built-in, many more can be added as extensions.' and a button labeled 'Browse Language Extensions'.
- Tune your settings** (unchecked): A section with an unchecked radio button.
- Sync settings across devices** (unchecked): A section with an unchecked radio button.

At the bottom of the onboarding screen, there is a code editor snippet showing the text: `export func`.



PROGRAM INSTALLATION



FileEditViewRepositoryBranchHelp

Current repository
desktop-tutorial

Current branch
main

Fetch origin
Last fetched 12 minutes ago

ChangesHistory

0 changed files

Welcome to GitHub Desktop

Use this tutorial to get comfortable with Git, GitHub, and GitHub Desktop.

Create a branch

Name
TUTORIAL

Your new branch will be based on your currently checked out branch (`main`). `main` is the [default branch](#) for your repository.

Create branchCancel

Get started

✓ Install a text editor

2 Create a branch
A branch allows you to work on different versions of a repository at one time. Create a branch by going into the branch menu in the top bar and clicking "New branch".
Ctrl + Shift + N

3 Edit a file

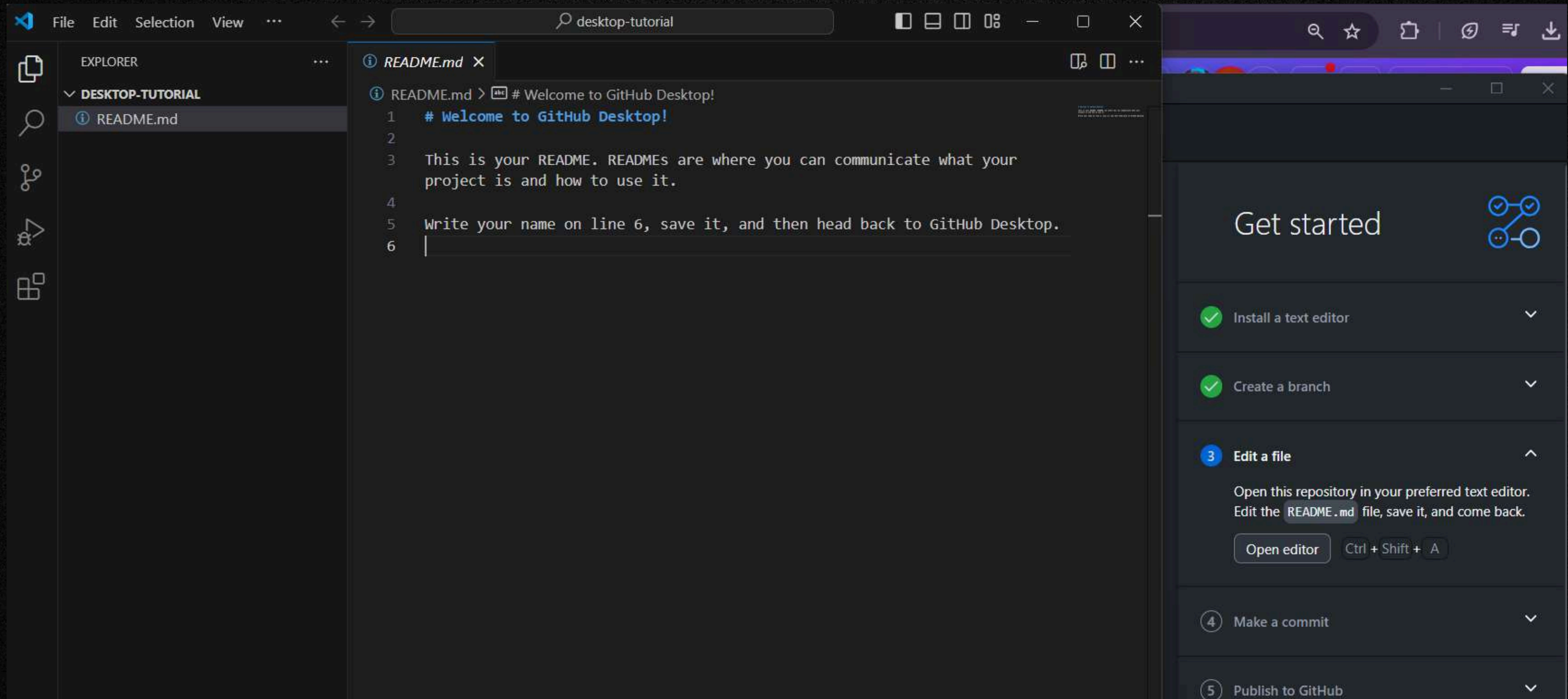
4 Make a commit

5 Publish to GitHub

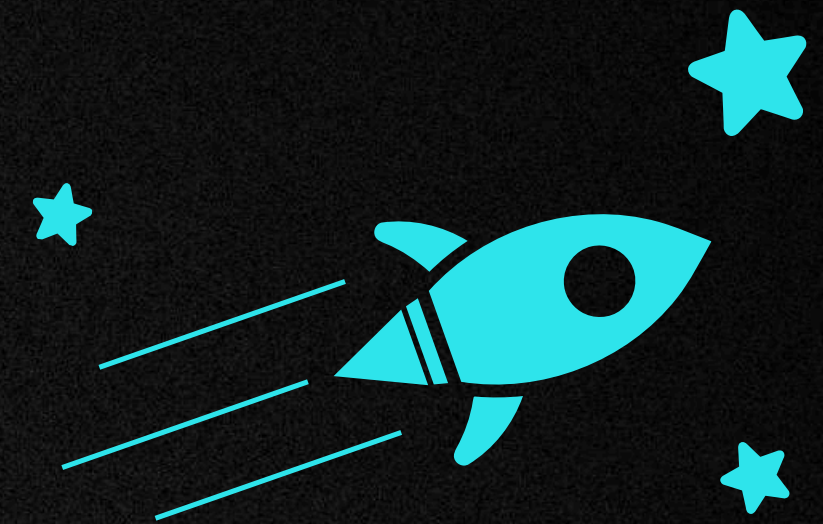
Summary (required)

Description

PROGRAM INSTALLATION



PROGRAM INSTALLATION



FileEditViewRepositoryBranchHelp

Current repository
desktop-tutorial

Current branch
TUTORIAL

Fetch origin
Last fetched 3 minutes ago

Changes 1History

1 changed file

README.md

README.md

@@ -3,3 +3,4 @@
This is your README. READMEs are where you can communicate what your project is and how to use it.
Write your name on line 6, save it, and then head back to GitHub Desktop.
+ Danny Viver

Summary (required)

Description

Get started

Install a text editor

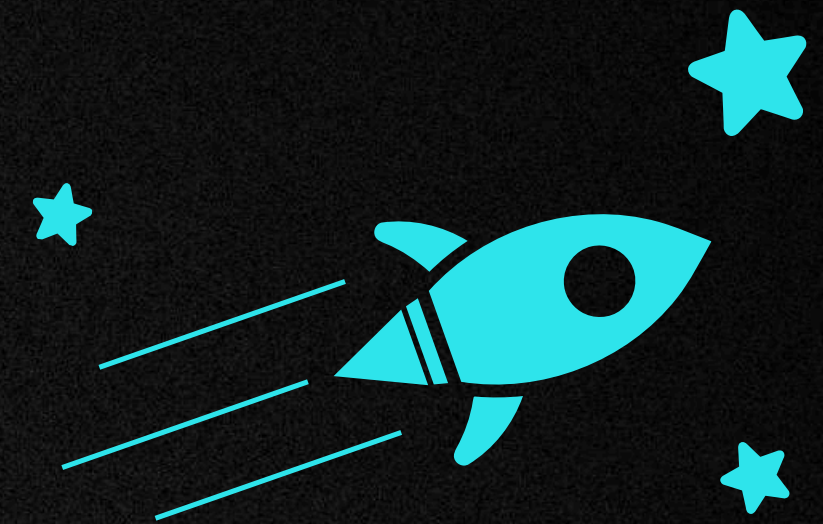
Create a branch

Edit a file

4 Make a commit

A commit allows you to save sets of changes. In the "summary" field in the bottom left, write a short message that describes the changes you made. When you're done, click the blue Commit button to finish.

PROGRAM INSTALLATION



FileEditViewRepositoryBranchHelp

Current repository
desktop-tutorial

Current branch
TUTORIAL

Fetch origin
Last fetched 3 minutes ago

Changes 1History

1 changed file

README.md

README.md

@@ -3,3 +3,4 @@
This is your README. READMEs are where you can communicate what your project is and how to use it.
Write your name on line 6, save it, and then head back to GitHub Desktop.
+ Danny Viver

Summary (required)

Description

Get started

Install a text editor

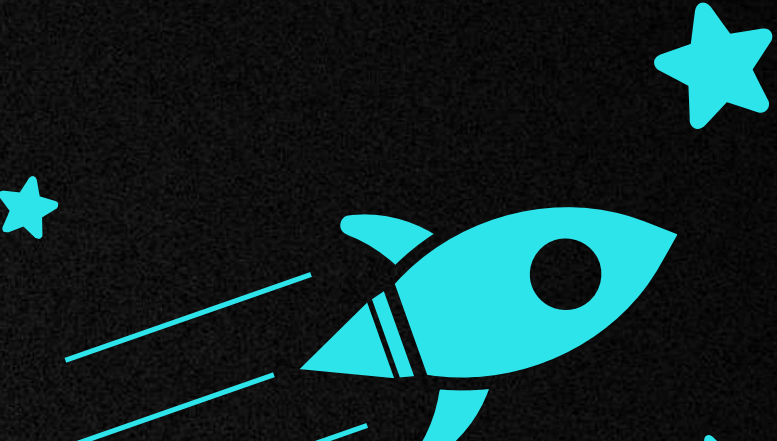
Create a branch


Edit a file

4 Make a commit

A commit allows you to save sets of changes. In the "summary" field in the bottom left, write a short message that describes the changes you made. When you're done, click the blue Commit button to finish.

PROGRAM INSTALLATION



BERSERKER-DV

Overview

Repositories1

Projects

Packages

Stars

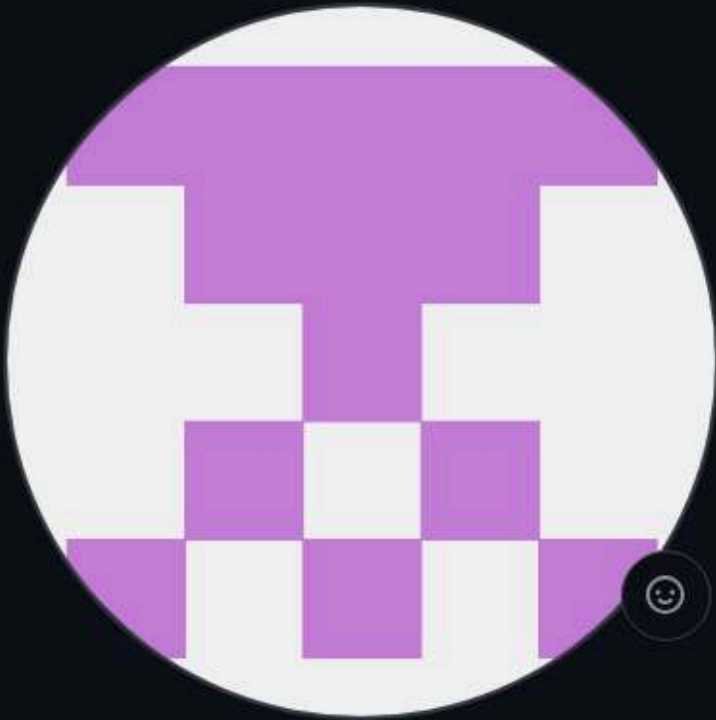
Find a repository...

Type▼Sort▼New

desktop-tutorialPrivate

GitHub Desktop tutorial repository

Updated 5 minutes ago



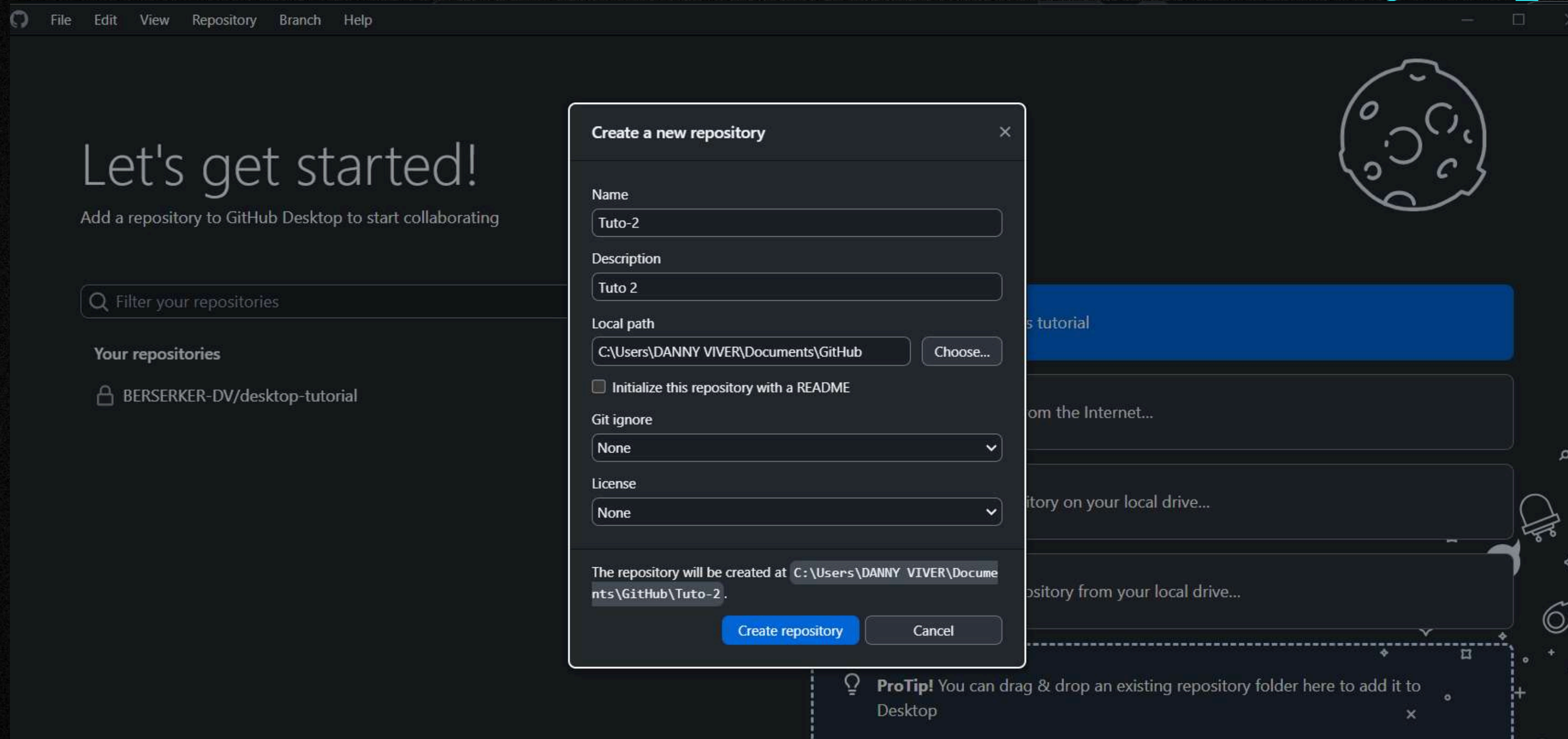
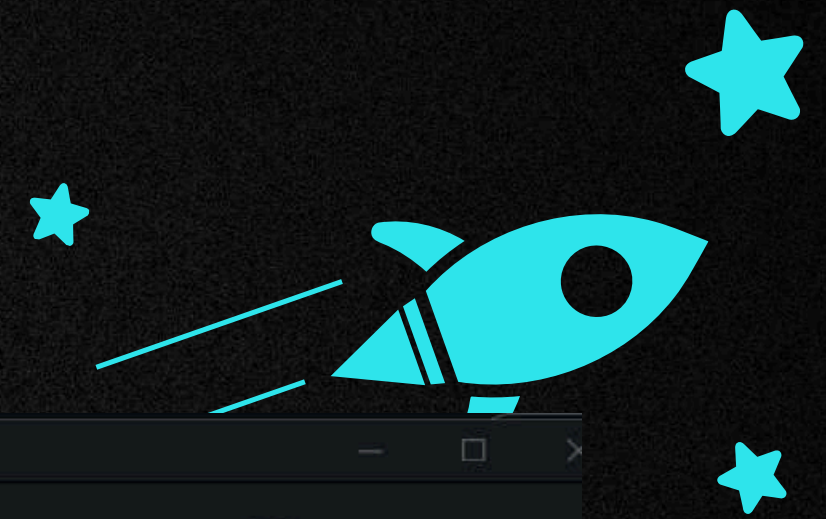
BERSERKER-DV

Edit profile

Joined 39 minutes ago

Star▼

PROGRAM INSTALLATION



BIBLIOGRAPHY

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- Atlassian. (n.d.). What is version control. <https://www.atlassian.com/git/tutorials/what-is-version-control>
- ByteByteGo. (2023, 28 noviembre). How Git Works: Explained in 4 Minutes [Vídeo]. YouTube. https://www.youtube.com/watch?v=e9lnsKot_SQ

