



Universidad de Costa Rica

Escuela de Ingeniería Eléctrica

IE-0117 Programación Bajo Plataformas Abiertas

Laboratorio Git

Christopher Vega Cedeño

C18390

Prof. Julián Gairaud

G. 01

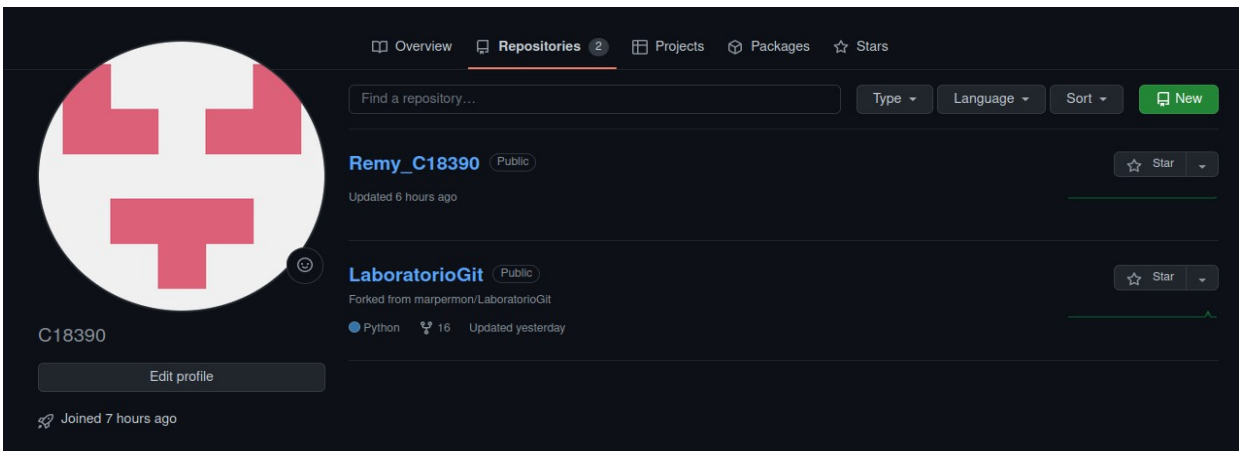


Figura 1. Verificación del Fork

```
christopher@ie0117:~/LaboratorioGit$ git status
On branch main
Your branch is up to date with 'origin/main'.

nothing to commit, working tree clean
christopher@ie0117:~/LaboratorioGit$ git switch -c feature
Switched to a new branch 'feature'
christopher@ie0117:~/LaboratorioGit$ git status
On branch feature
nothing to commit, working tree clean
```

Figura 2. Rama feature

```
christopher@ie0117:~/LaboratorioGit/gatosGit$ git config --global user.email christopher.vegacedeno@ucr.ac.cr
```

Figura 3. Solución error para realizar commits

```
christopher@ie0117:~/LaboratorioGit/gatosGit$ git log
commit 89dc190f8a2725980197df1206525ebb4ea0bdf7 (HEAD -> feature)
Author: Christopher Vega <christopher.vegacedeno@ucr.ac.cr>
Date:   Fri Feb 10 18:16:59 2023 -0600

    Se creó un gato3 llamado Gus, color azul y que tiene 5 años de edad.

commit 2825f8f77c013b807ae91ab8ce221e13f3f5433a
Author: Christopher Vega <christopher.vegacedeno@ucr.ac.cr>
Date:   Fri Feb 10 18:14:23 2023 -0600

    Se cambió el nombre a gato1 (Remysn)
```

Figura 3. Commits de las modificaciones a gatos.py

```
christopher@ie0117:~/LaboratorioGit$ git push origin feature:feature -f
Username for 'https://github.com': C18390
Password for 'https://C18390@github.com':
remote: Support for password authentication was removed on August 13, 2021.
remote: Please see https://docs.github.com/en/get-started/getting-started-with-git/about-remote-repositories#cl
oning-with-https-urls for information on currently recommended modes of authentication.
fatal: Authentication failed for 'https://github.com/C18390/LaboratorioGit.git/'
```

Figura 4. Error al utilizar el comando push

```
christopher@ie0117:~/LaboratorioGit$ git switch main
Switched to branch 'main'
Your branch is up to date with 'origin/main'.
christopher@ie0117:~/LaboratorioGit$ cd gatosGit
christopher@ie0117:~/LaboratorioGit/gatosGit$ nano gatos.py
christopher@ie0117:~/LaboratorioGit/gatosGit$ git add gatos.py
christopher@ie0117:~/LaboratorioGit/gatosGit$ git commit -m "Se cambió el nombre a gato1 desde la rama Main"
[main b887f3a] Se cambió el nombre a gato1 desde la rama Main
1 file changed, 1 insertion(+), 1 deletion(-)
```

Figura 5. Cambiar nombre a gato1 desde rama Main

```
christopher@ie0117:~/LaboratorioGit/gatosGit$ git merge feature
Auto-merging gatosGit/gatos.py
CONFLICT (content): Merge conflict in gatosGit/gatos.py
Automatic merge failed; fix conflicts and then commit the result.
```

Figura 6. Error al hacer merge entre repositorios

```
christopher@ie0117:~/LaboratorioGit/gatosGit$ git commit
[main 0b6eea4] Merge branch 'feature' into main
```

Figura 7. Merge feature en main

```
christopher@ie0117:~/LaboratorioGit/gatosGit$ git log --oneline --graph
*   0b6eea4 (HEAD -> main) Merge branch 'feature' into main
| \
| * 89dc190 (feature) Se creó un gato3 llamado Gus, color azul y que tiene 5 años de edad.
| * 2825f8f Se cambió el nombre a gato1 (Remysn)
* | 55fa915 Se cambió el nombre del gato1 en rama Main
* | b887f3a Se cambió el nombre a gato1 desde la rama Main
|/
* 1640128 (origin/main, origin/feature, origin/HEAD) included gato2 and list printing
* c2b877a corrected mistakes
* d02a6d2 included gato1
* 7ab0adc included functions file
* a13fd08 first commit
```

Figura 8. Comando git log --oneline --graph

```
--graph
  Draw a text-based graphical representation of the commit history on the left hand side of the
  output. This may cause extra lines to be printed in between commits, in order for the graph
  history to be drawn properly. Cannot be combined with --no-walk.

  This enables parent rewriting, see History Simplification above.

  This implies the --topo-order option by default, but the --date-order option may also be
  specified.
```

Figura 9. Man --graph

```
--oneline
  This is a shorthand for "--pretty=oneline --abbrev-commit" used together.
```

Figura 9. Man --oneline

PRETTY FORMATS

If the commit is a merge, and if the pretty-format is not oneline, email or raw, an additional line is inserted before the Author: line. This line begins with "Merge: " and the hashes of ancestral commits are printed, separated by spaces. Note that the listed commits may not necessarily be the list of the **direct** parent commits if you have limited your view of history: for example, if you are only interested in changes related to a certain directory or file.

There are several built-in formats, and you can define additional formats by setting a pretty.<name> config option to either another format name, or a format: string, as described below (see `git-config(1)`). Here are the details of the built-in formats:

- oneline

<hash> <title line>

This is designed to be as compact as possible.

Figura 10. Reseña oneline

```
christopher@le0117:~/LaboratorioGit/gatosGit$ python3 gatos.py
Remy, 4 annos, color: negro
Gato3, 12 annos, color: verde
Pelusa, 3 annos, color: cafe
```

Figura 11 Resultado al correr gatos.py

```
christopher@ie0117:~/LaboratorioGit$ git status
On branch main
Your branch is up to date with 'origin/main'.

nothing to commit, working tree clean
christopher@ie0117:~/LaboratorioGit$ git switch -c feature
Switched to a new branch 'feature'
christopher@ie0117:~/LaboratorioGit$ git status
On branch feature
nothing to commit, working tree clean
```

Figura 12. Commit al PDF