

GitHub Desktop GUI

Kim Dill-McFarland, PhD

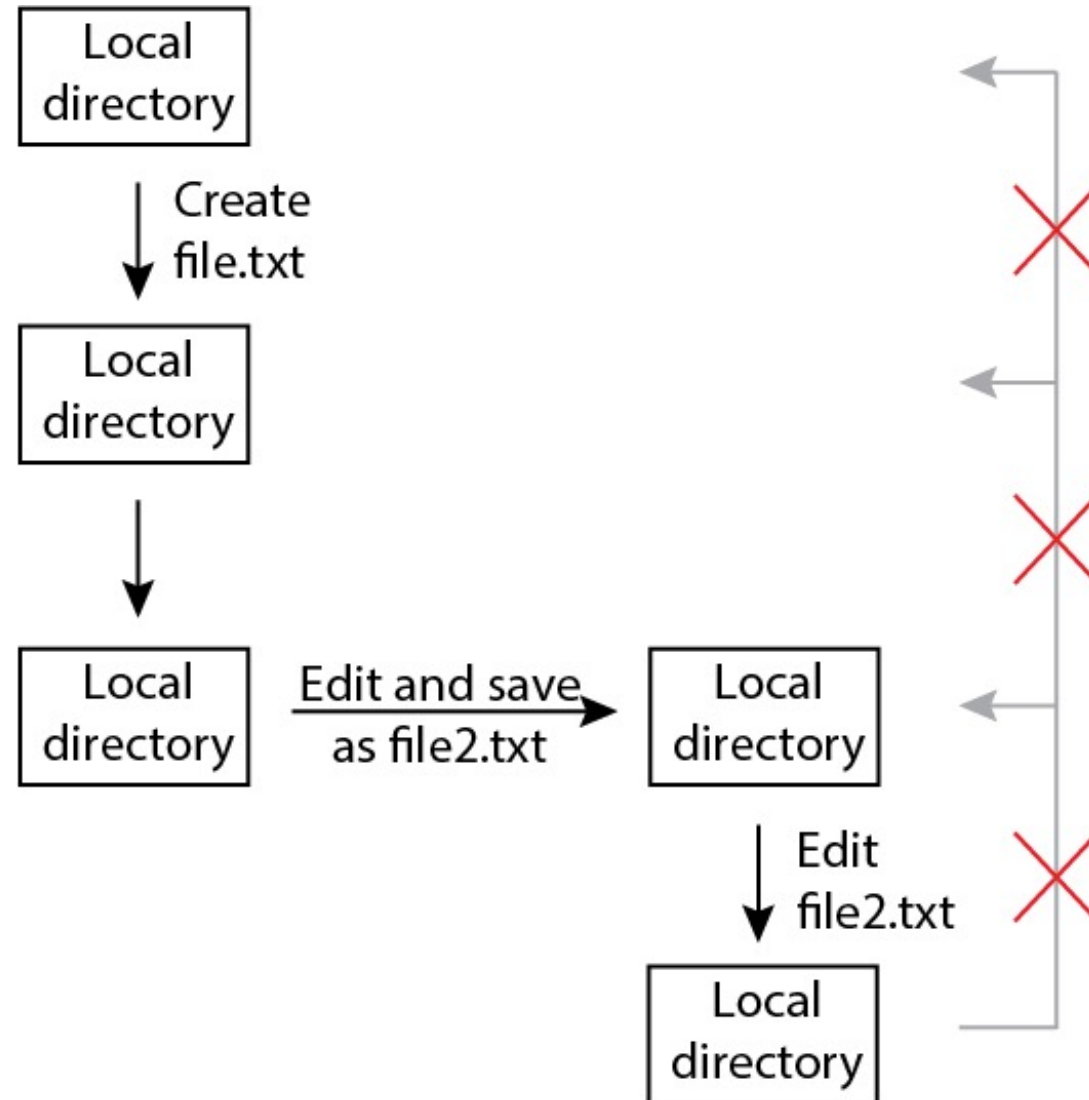
April 16, 2021



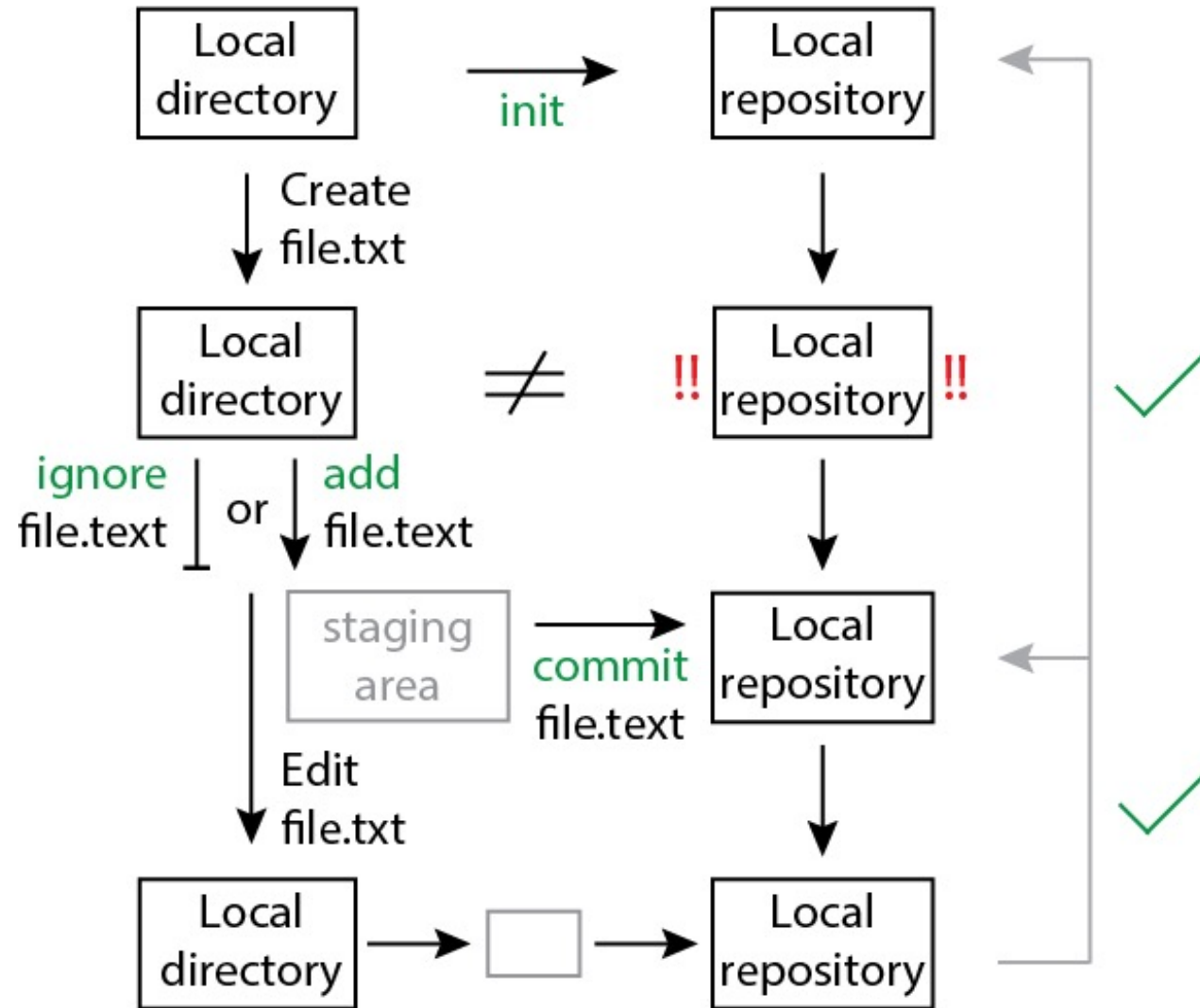
Collaborate with yourself

git on your local computer

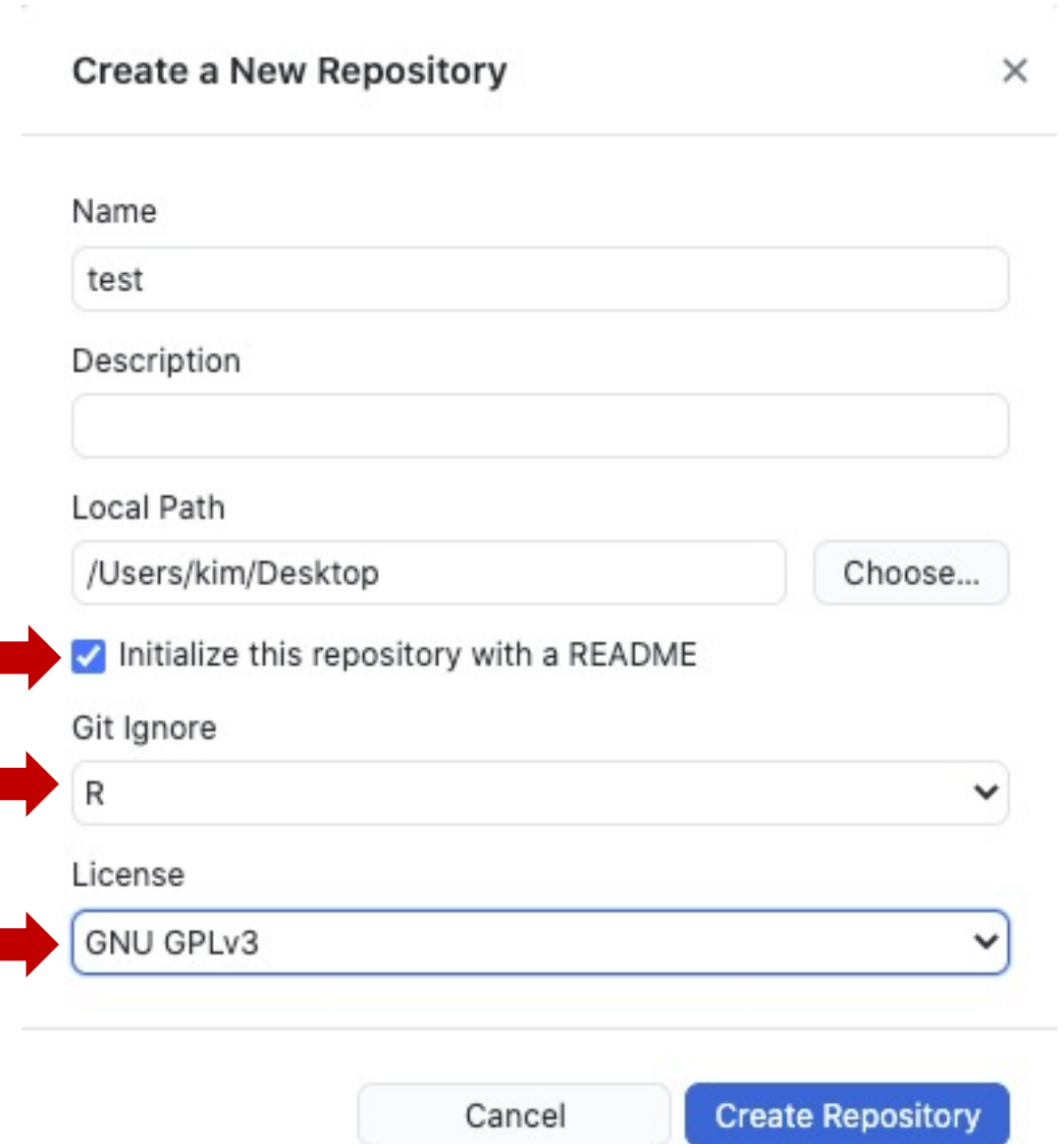
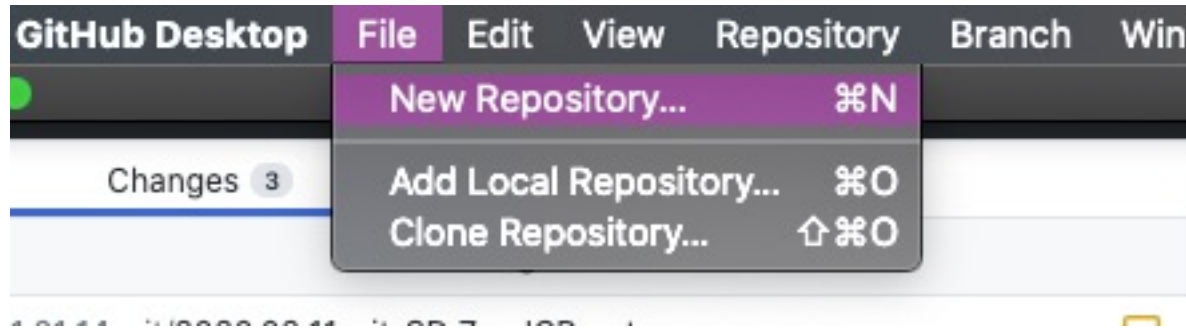
“Standard” workflow



git workflow



Create a new repository

A screenshot of the 'Create a New Repository' dialog box in GitHub Desktop. The dialog has a title bar with a close button. It contains several fields and options: 'Name' (text field with 'test'), 'Description' (text field), 'Local Path' (text field with '/Users/kim/Desktop' and a 'Choose...' button), 'Initialize this repository with a README' (checked checkbox), 'Git Ignore' (dropdown menu with 'R'), and 'License' (dropdown menu with 'GNU GPLv3'). At the bottom are 'Cancel' and 'Create Repository' buttons.

Create a New Repository

Name

test

Description

Local Path

/Users/kim/Desktop Choose...

☒ Initialize this repository with a README

Git Ignore

R

License

GNU GPLv3

Cancel Create Repository

Always have a README



Optionally auto generate common ignored files for different programs



Add license so others can use your code if made public



Add and commit a file

If it is a text-based file, see line specific changes since last commit

Select file(s)
to add



Current Repository
test

Current Branch
main

Publish repository
Publish this repository to GitHub

Changes 2	History	file.txt
2 changed files		@@ -0,0 +1 @@
<input checked="" type="checkbox"/> .DS_Store		1 +This is my test file.
<input checked="" type="checkbox"/> file.txt		



Must have a main
commit message



Optional
additional details



Most recent
commit message



Create file.txt

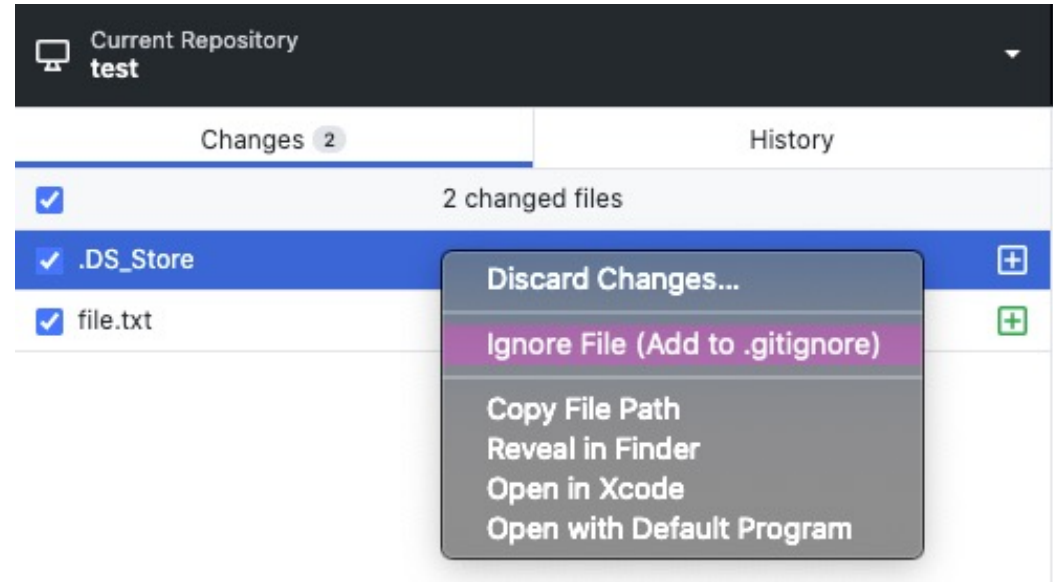
Description

Commit to main

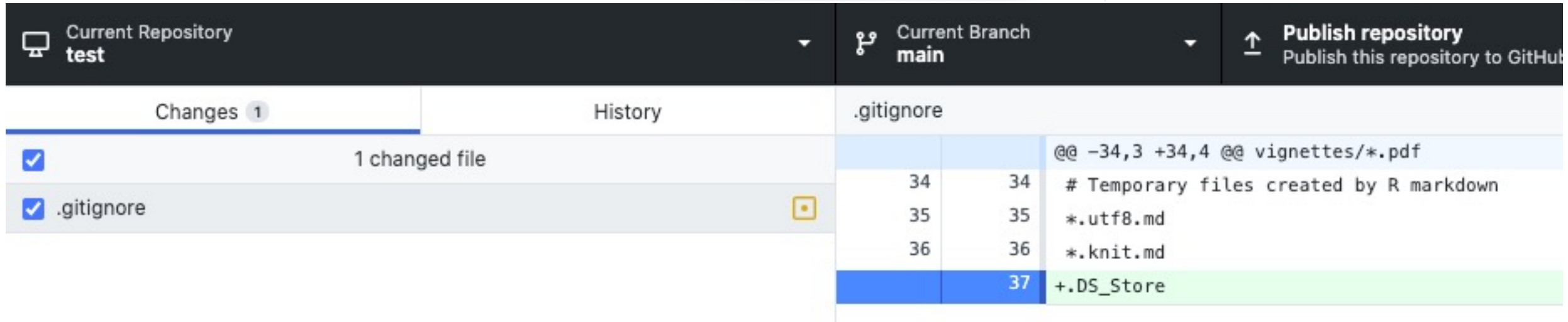
Committed 7 minutes ago
Initial commit

Undo


Ignore a file



Right-click



View complete history



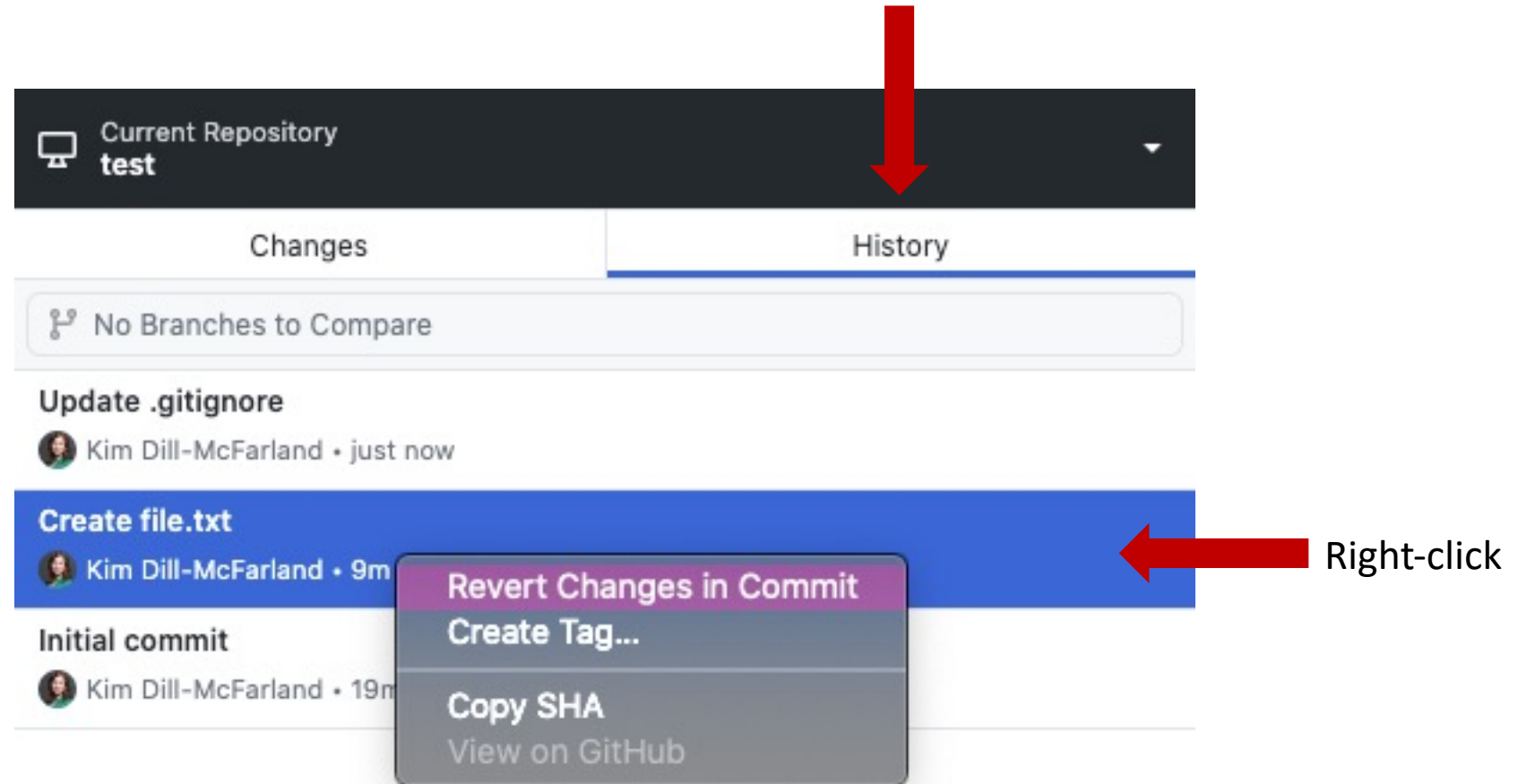
The screenshot shows the GitHub web interface for a repository named 'test'. The top navigation bar includes 'Current Repository test', 'Current Branch main', and a 'Publish repository' button. Below this, the 'History' tab is selected, showing a list of commits. The left sidebar shows a summary of changes, including 'Update .gitignore', 'Create file.txt', and 'Initial commit'. The main content area displays the details of the 'Initial commit' by Kim Dill-McFarland, showing 4 changed files: .gitattributes, .gitignore, LICENSE, and README.md. The .gitattributes file is highlighted, showing its content: @@ -0,0 +1,2 @@, 1 +# Auto detect text files and perform LF normalization, 2 +* text=auto.

Changes	History
No Branches to Compare	
Update .gitignore Kim Dill-McFarland • just now	
Create file.txt Kim Dill-McFarland • 9m	
Initial commit Kim Dill-McFarland • 18m	

Initial commit
Kim Dill-McFarland 7d14d17 4 changed files

File	Changes
.gitattributes	@@ -0,0 +1,2 @@
.gitignore	1 +# Auto detect text files and perform LF normalization
LICENSE	2 +* text=auto
README.md	

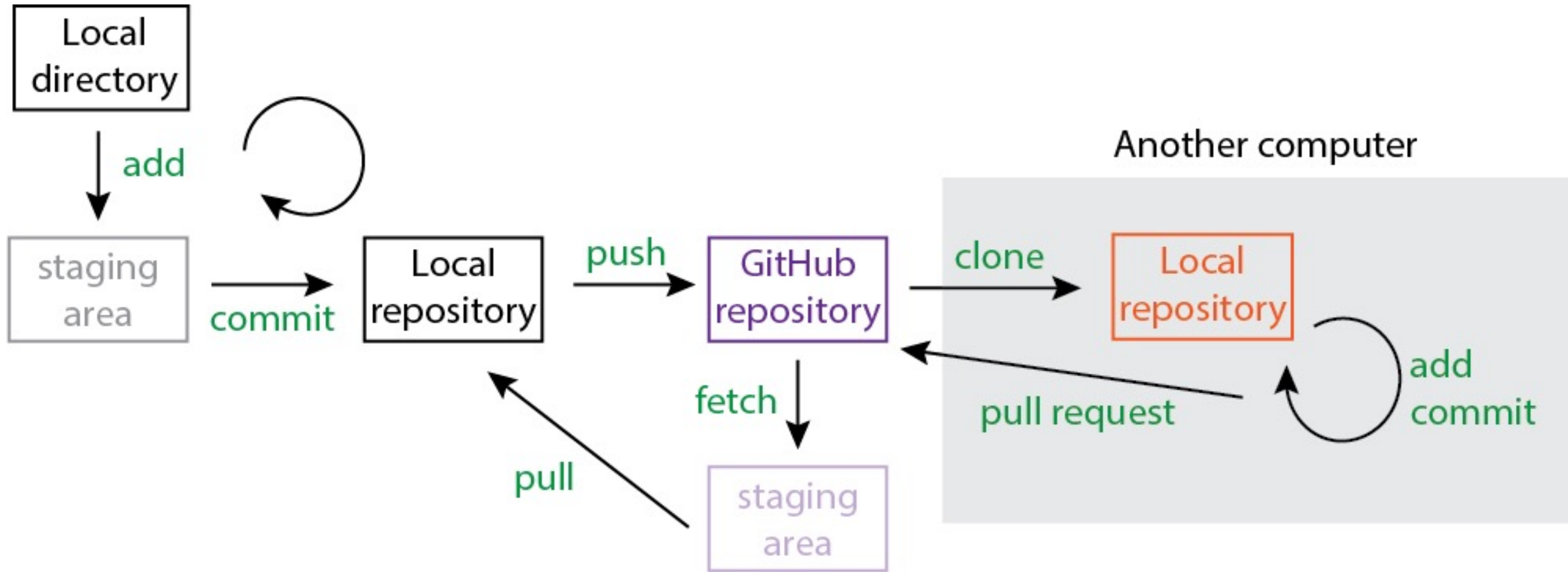
Revert back to old versions



Collaborate with others


GitHub


GitHub workflow




Publish to GitHub



 Current Repository
test

 Current Branch
main

 **Publish repository**
Publish this repository to GitHub

Publish Repository

GitHub.com

GitHub Enterprise

Name

test

Description

☒ Keep this code private

Organization

None

Cancel

Publish Repository

Public vs private. Not all accounts have this option

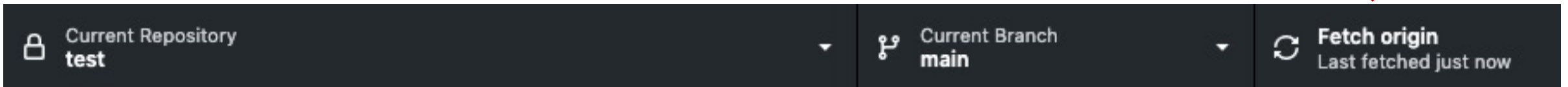


If you're part of an organization

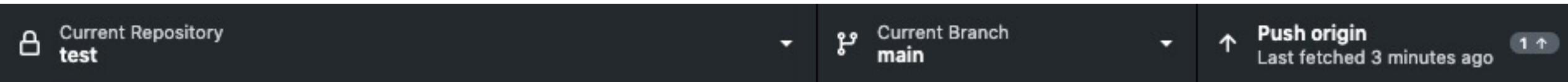


Working with GitHub

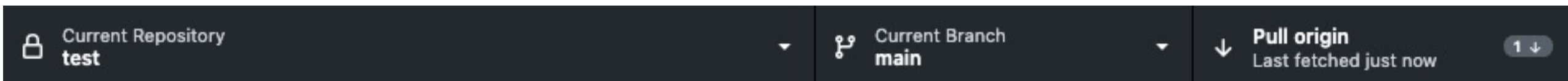
Check if local and GitHub match



Local copy does not match GitHub.
Click to update GitHub



Local copy does not match GitHub.
Click to update local



GitHub repos

Let others know about errors, requested features, etc in their repo

Requests to merge in someone else's code

The screenshot shows the GitHub interface for a repository named 'wild-to-captive' by user 'Wild-Microbiomes'. The repository is marked as 'Private'. The navigation bar includes links for Code, Issues, Pull requests, Actions, Projects, Security, and Insights. Two red arrows point from the text 'Let others know about errors, requested features, etc in their repo' to the 'Issues' link, and from 'Requests to merge in someone else's code' to the 'Pull requests' link. Below the navigation bar, the repository details show the 'main' branch with 1 branch and 0 tags. A commit by 'clw224' is shown, titled 'Initial commit', dated '4d19f1d 10 days ago', with 1 commit. The file 'README.md' is listed as part of the initial commit. A red arrow points from the text 'Files in repo' to the 'README.md' file entry. Below the file entry, the README content is displayed, showing the title 'wild-to-captive'. A red arrow points from the text 'Automatically renders README' to the rendered README content.

Wild-Microbiomes / wild-to-captive Private

<> Code ! Issues 🔗 Pull requests ▶ Actions 📁 Projects ! Security 📈 Insights

main 1 branch 0 tags Go to file Code

clw224 Initial commit 4d19f1d 10 days ago 1 commit

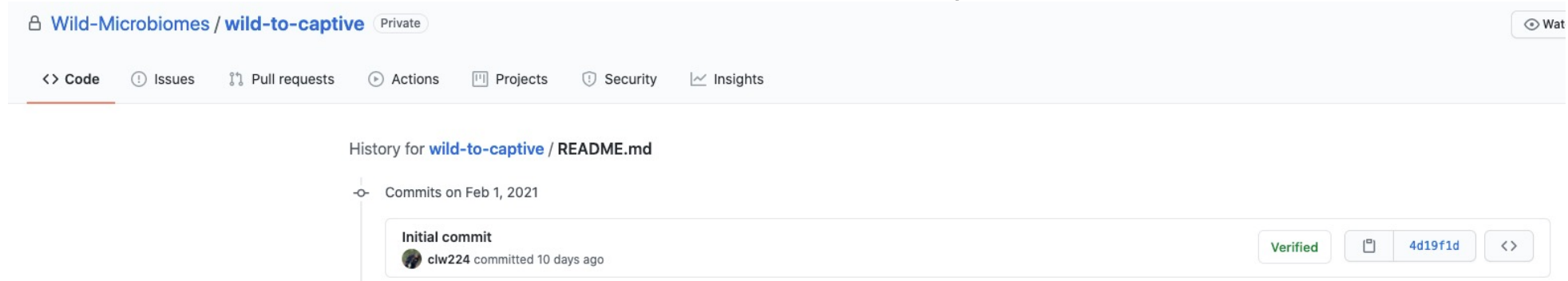
README.md Initial commit 10 days ago

README.md

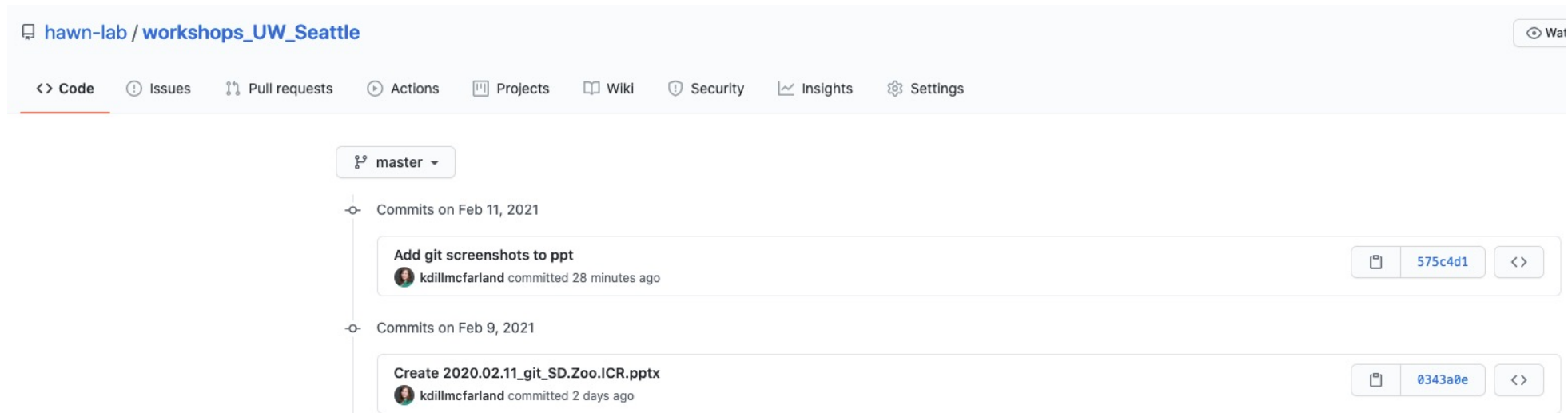
wild-to-captive

GitHub history

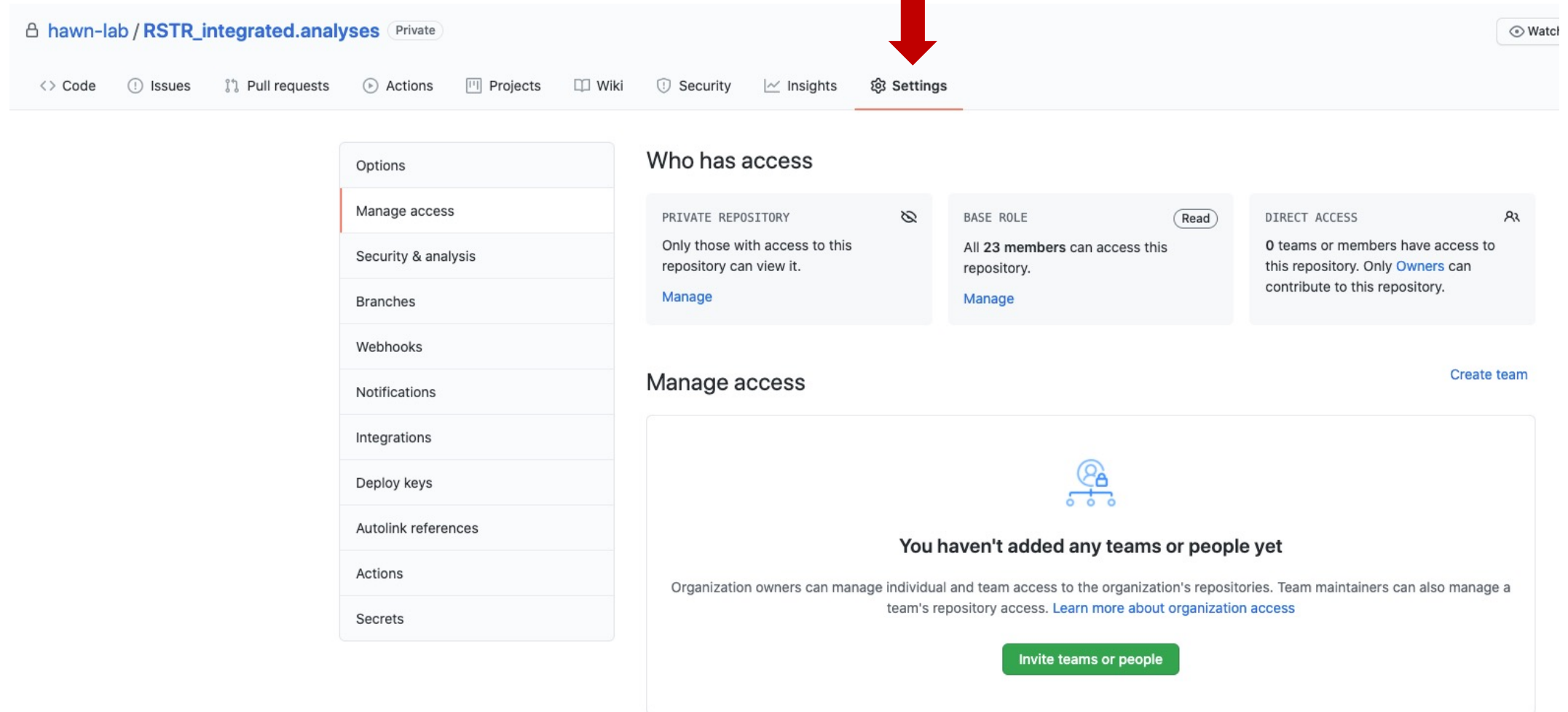
- Select a file and view its commit history



- Or view an entire repo's history



GitHub permissions



hawn-lab / RSTR_integrated.analysises Private Watch

<> Code ! Issues 🔗 Pull requests ▶ Actions 📁 Projects 📖 Wiki 🛡 Security 📈 Insights ⚙ Settings

Options

Manage access

Security & analysis

Branches

Webhooks

Notifications

Integrations

Deploy keys

Autolink references

Actions

Secrets

Who has access

PRIVATE REPOSITORY 🔒

Only those with access to this repository can view it.

[Manage](#)

BASE ROLE Read

All 23 members can access this repository.


[Manage](#)

DIRECT ACCESS 🔍

0 teams or members have access to this repository. Only [Owners](#) can contribute to this repository.

Manage access

[Create team](#)



You haven't added any teams or people yet

Organization owners can manage individual and team access to the organization's repositories. Team maintainers can also manage a team's repository access. [Learn more about organization access](#)

[Invite teams or people](#)