

GitHub Desktop GUI

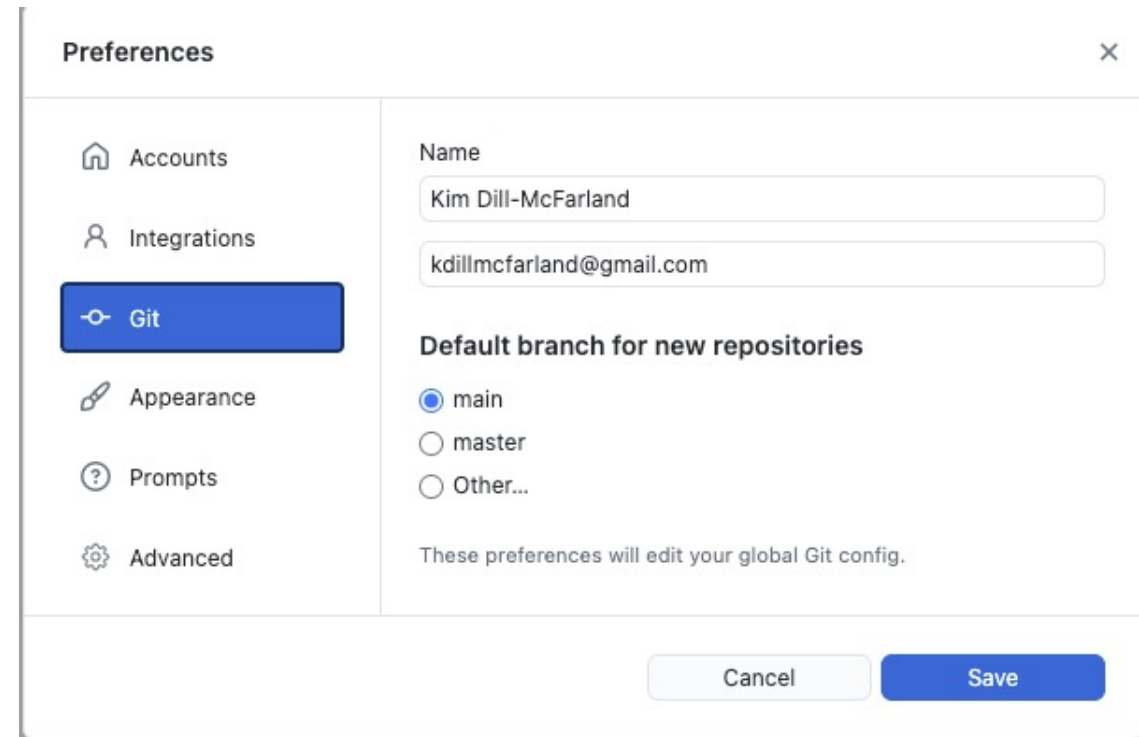
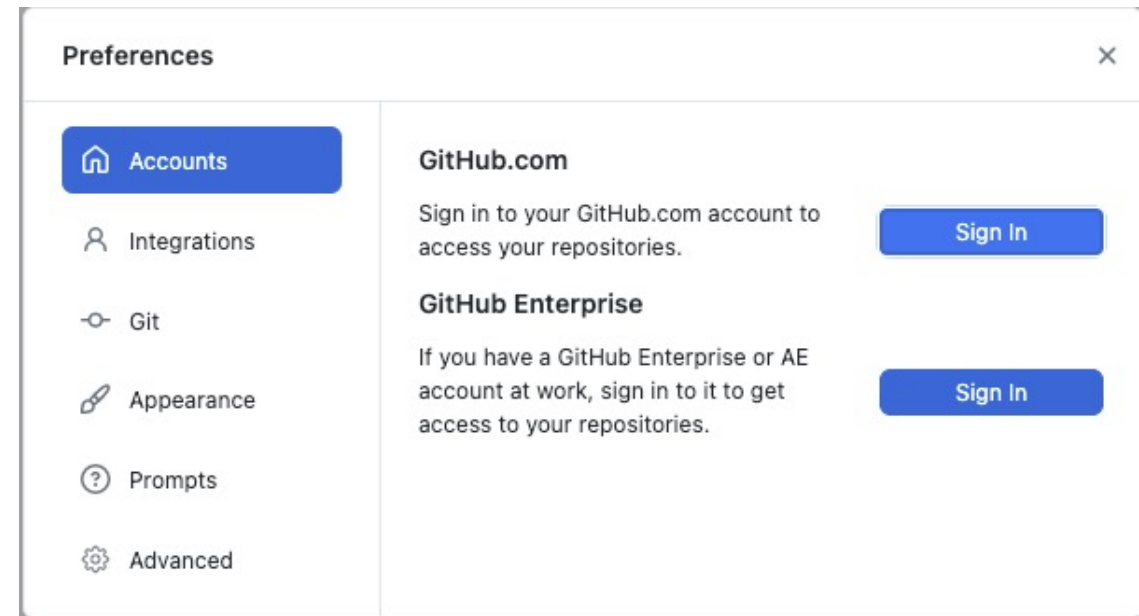
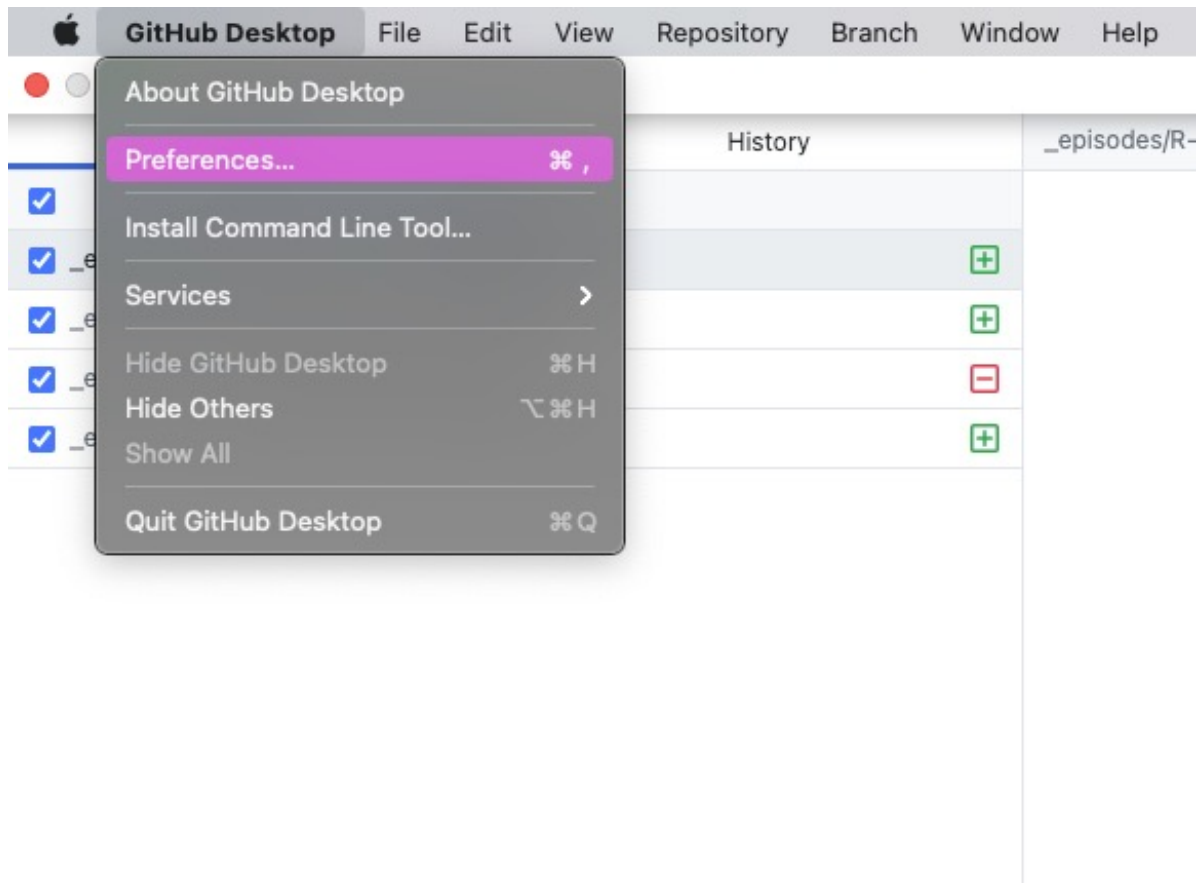
Kim Dill-McFarland, PhD

April 16, 2021



Setup

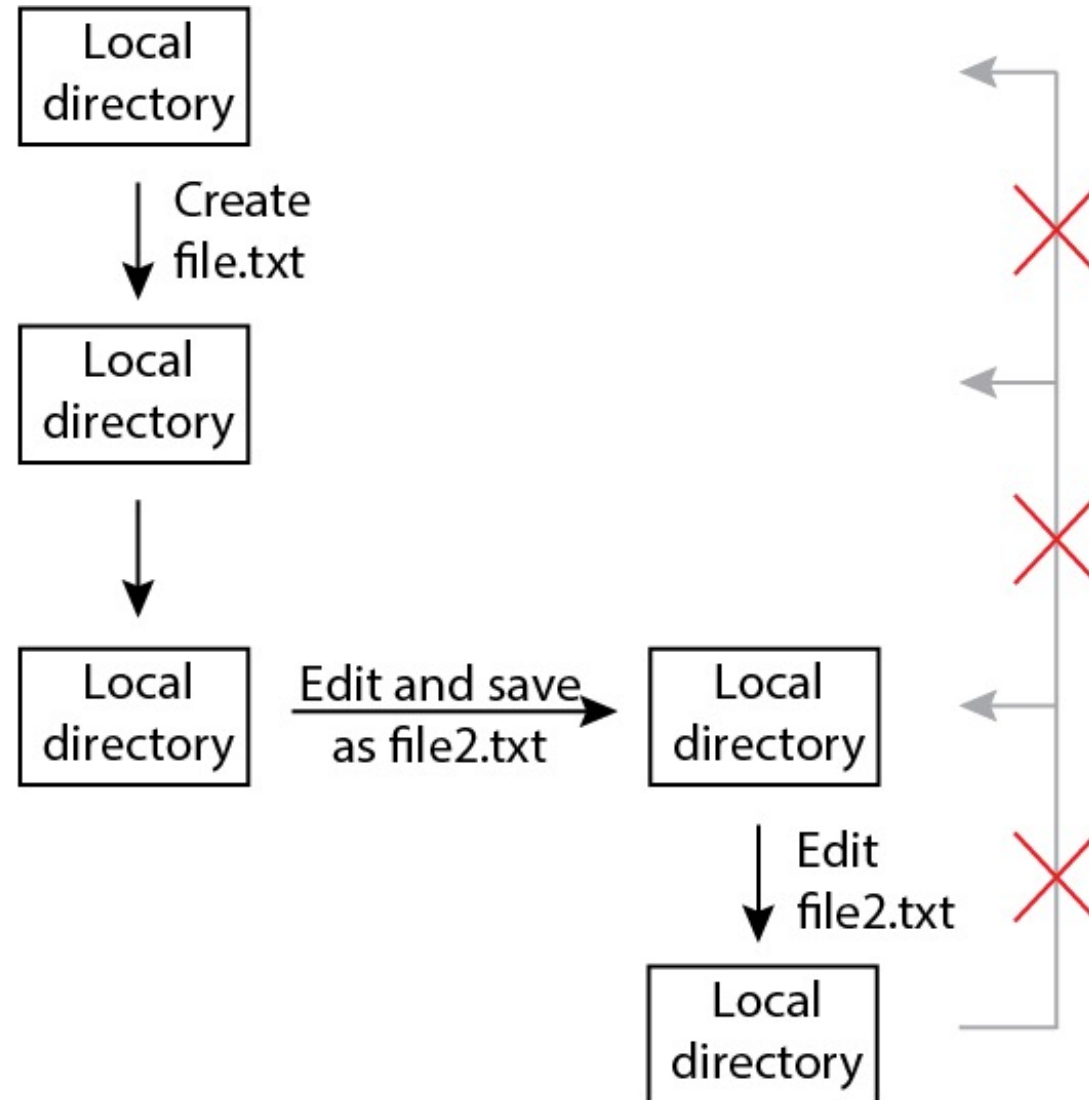
Set name, link to GitHub



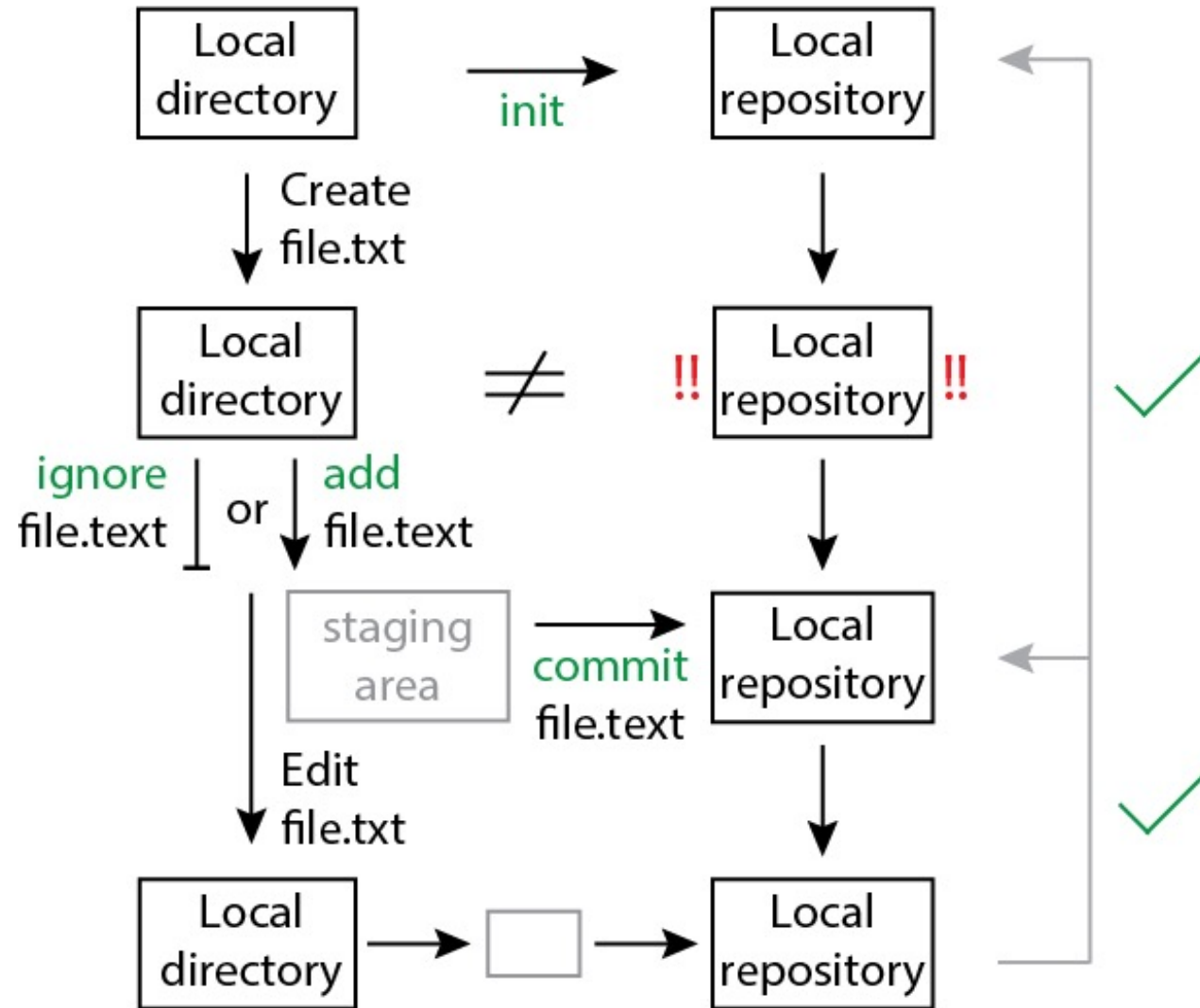
Collaborate with yourself

git on your local computer

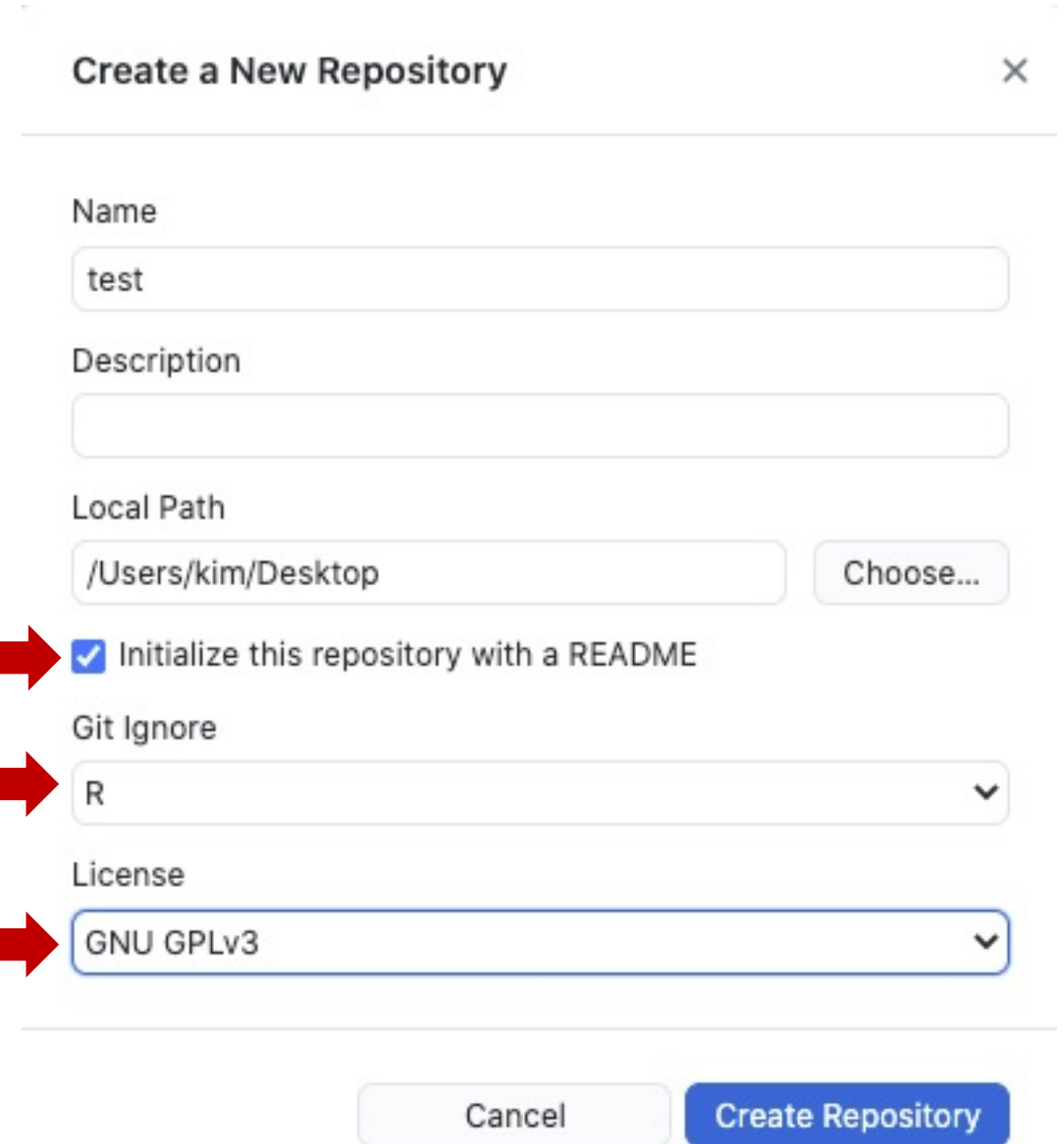
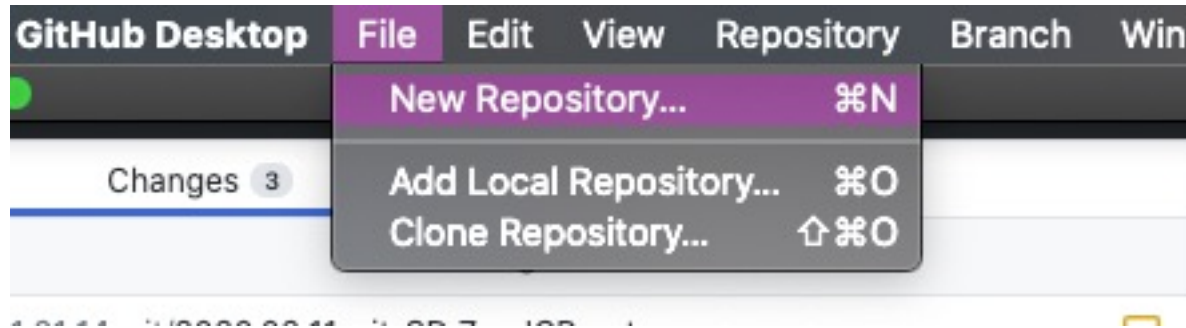
“Standard” workflow



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 (X). It contains several fields and options: 'Name' (text input with 'test'), 'Description' (text input), 'Local Path' (text input 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, there 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

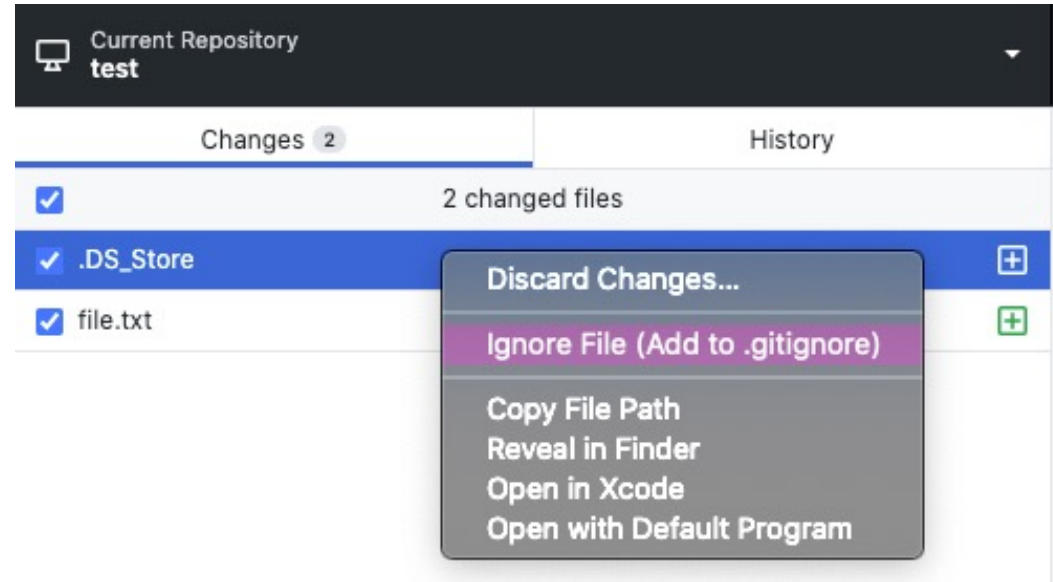
Description

Commit to main

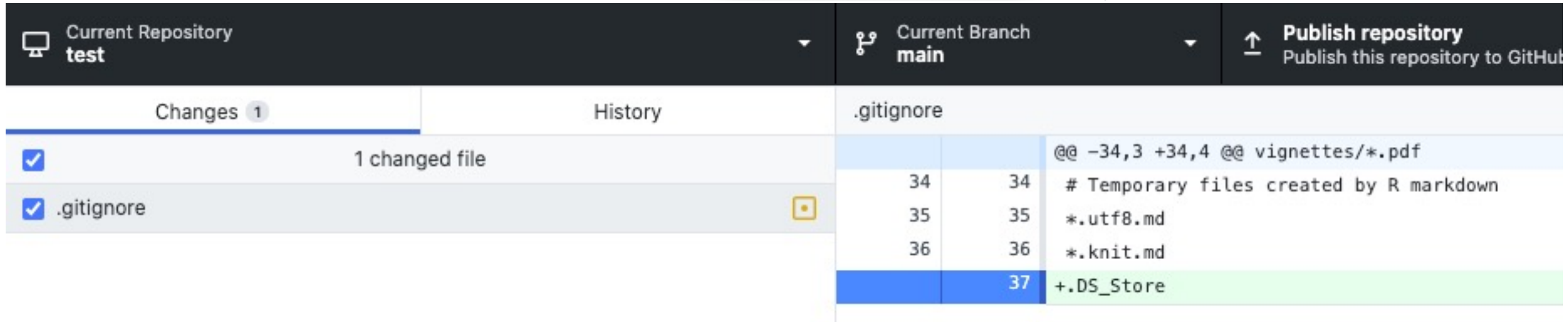
Committed 7 minutes ago
Initial commit

Undo


Ignore a file



Right-click



View complete history



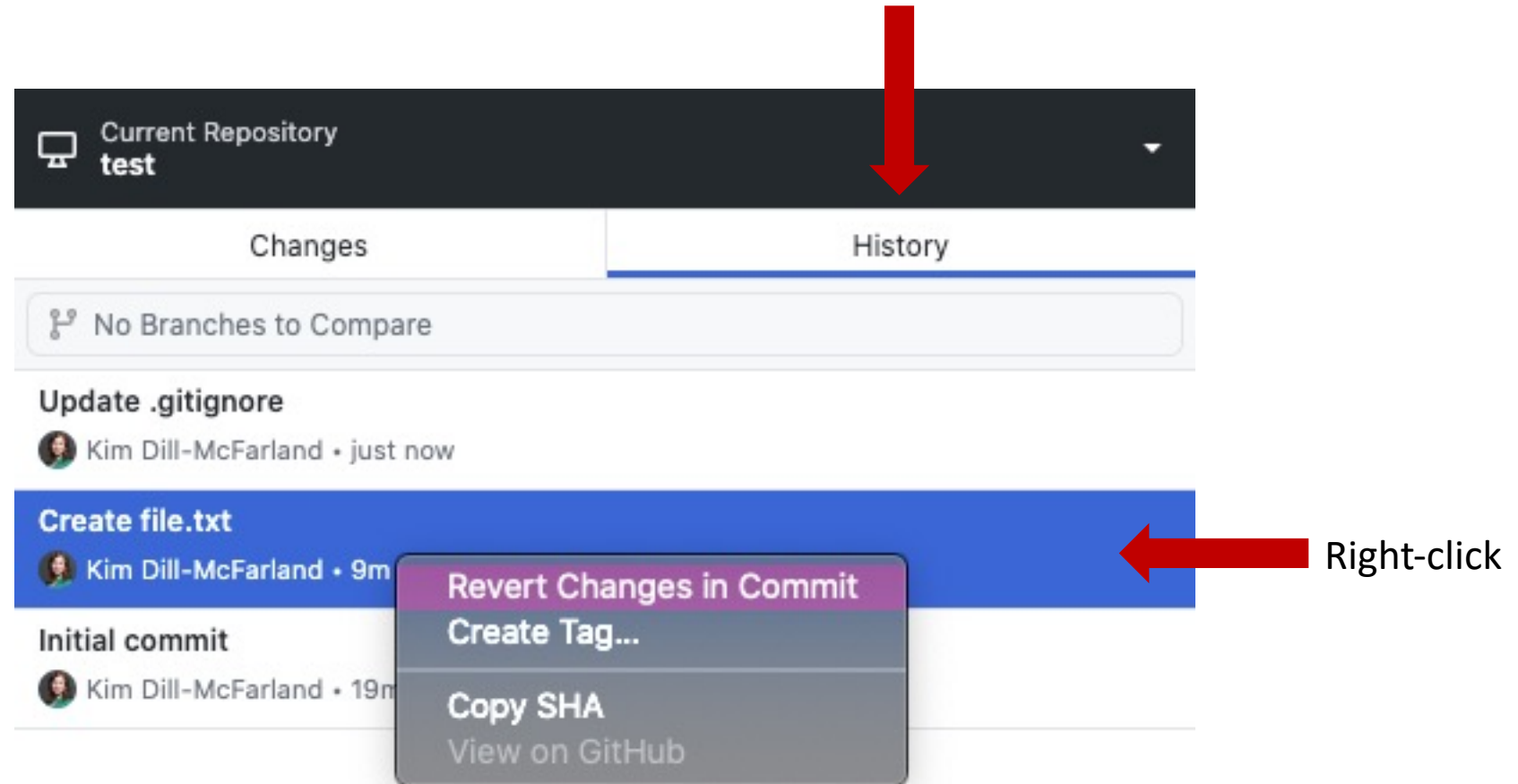
The screenshot shows the GitHub web interface for a repository named 'test'. The top navigation bar includes 'Current Repository test', 'Current Branch main', and a 'Publish repository' button. Below this, the 'History' tab is selected, showing a list of commits. The left sidebar shows a summary of changes, 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 @@' and two lines of configuration for LF normalization and text auto-detection.

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 @@ 1 +# Auto detect text files and perform LF normalization 2 +* text=auto
.gitignore	
LICENSE	
README.md	

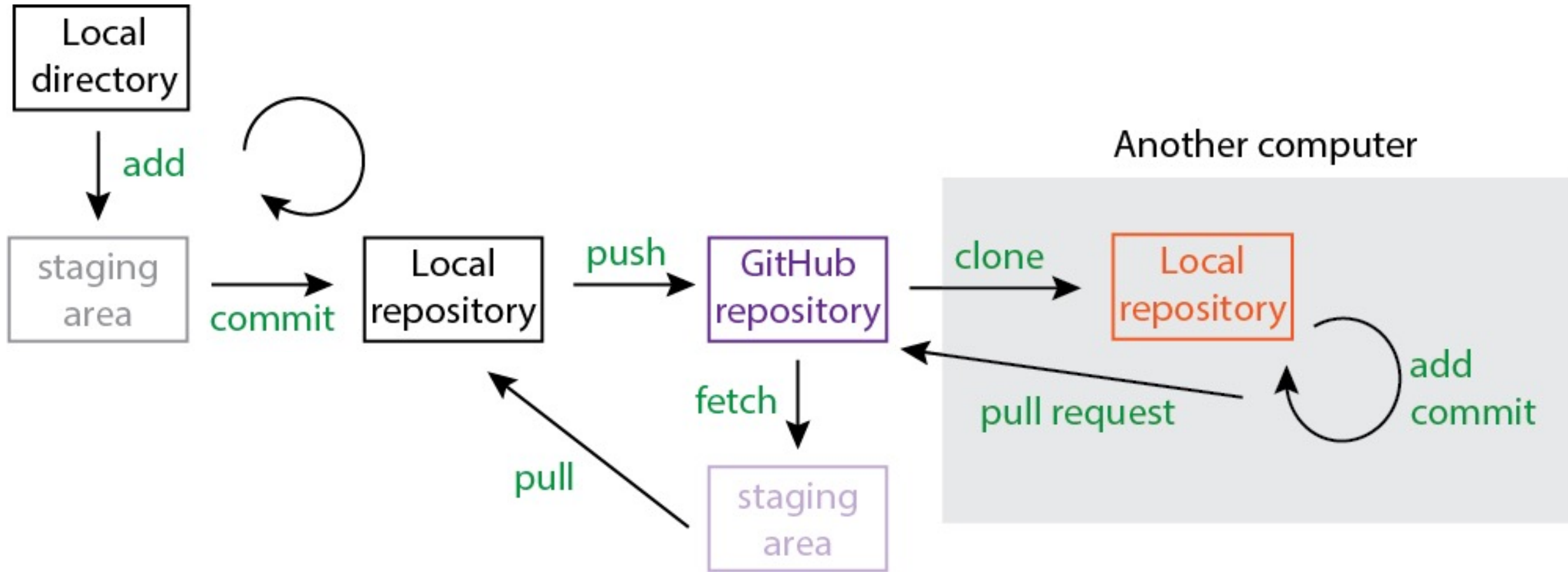
Revert back to old versions



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

Description

☒ Keep this code private

Organization

Cancel

Publish Repository

Public vs private. Not all accounts have this option

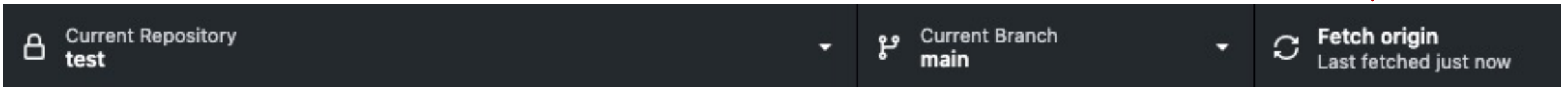


If you're part of an organization

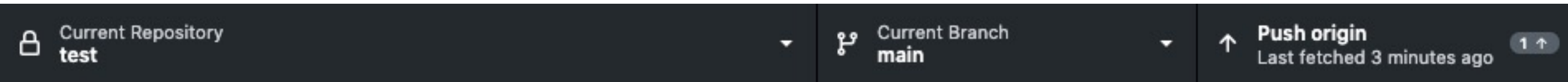


Working with GitHub

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

