GitHub Desktop GUI

Kim Dill-McFarland, PhD
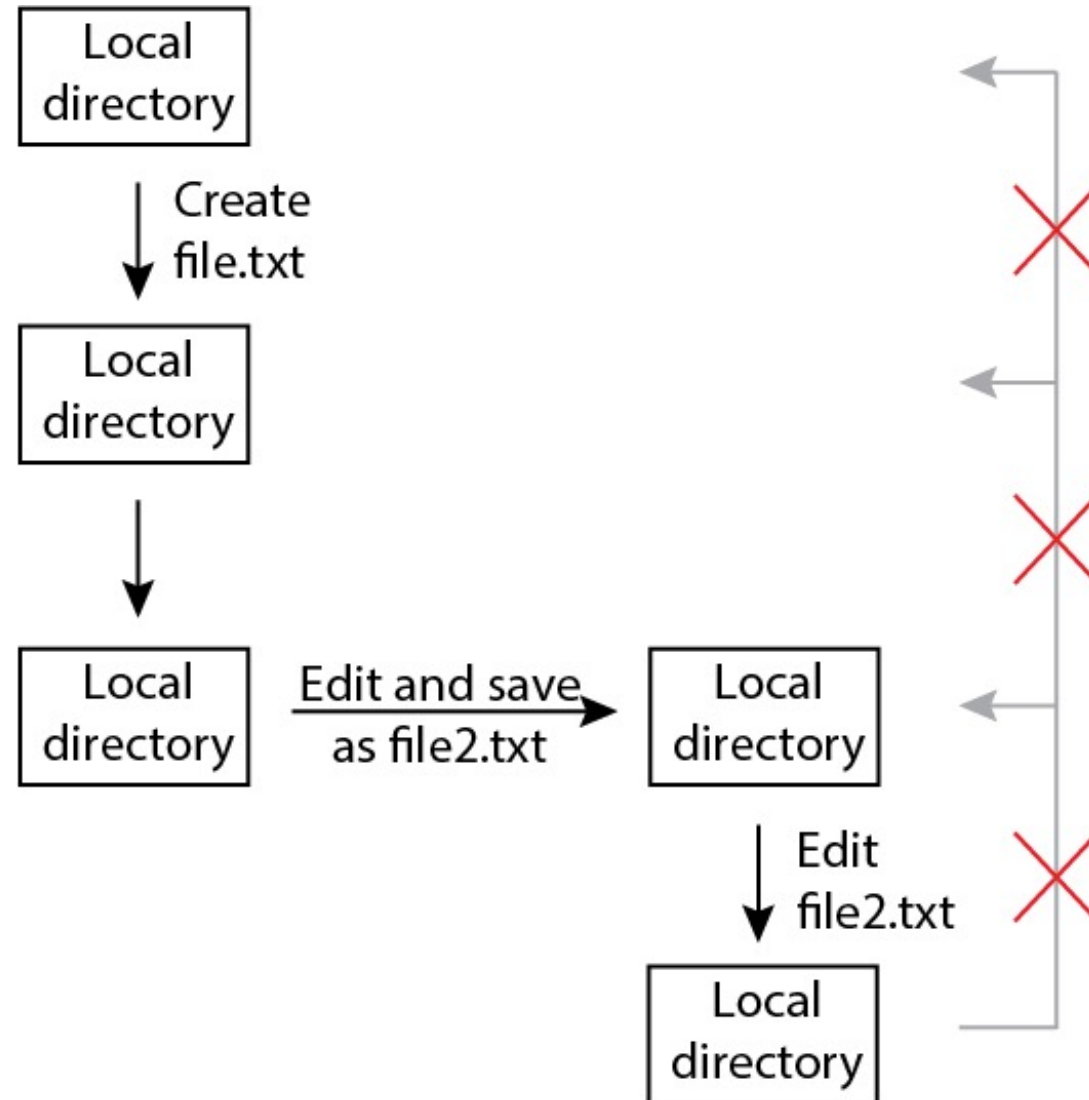
April 16, 2021
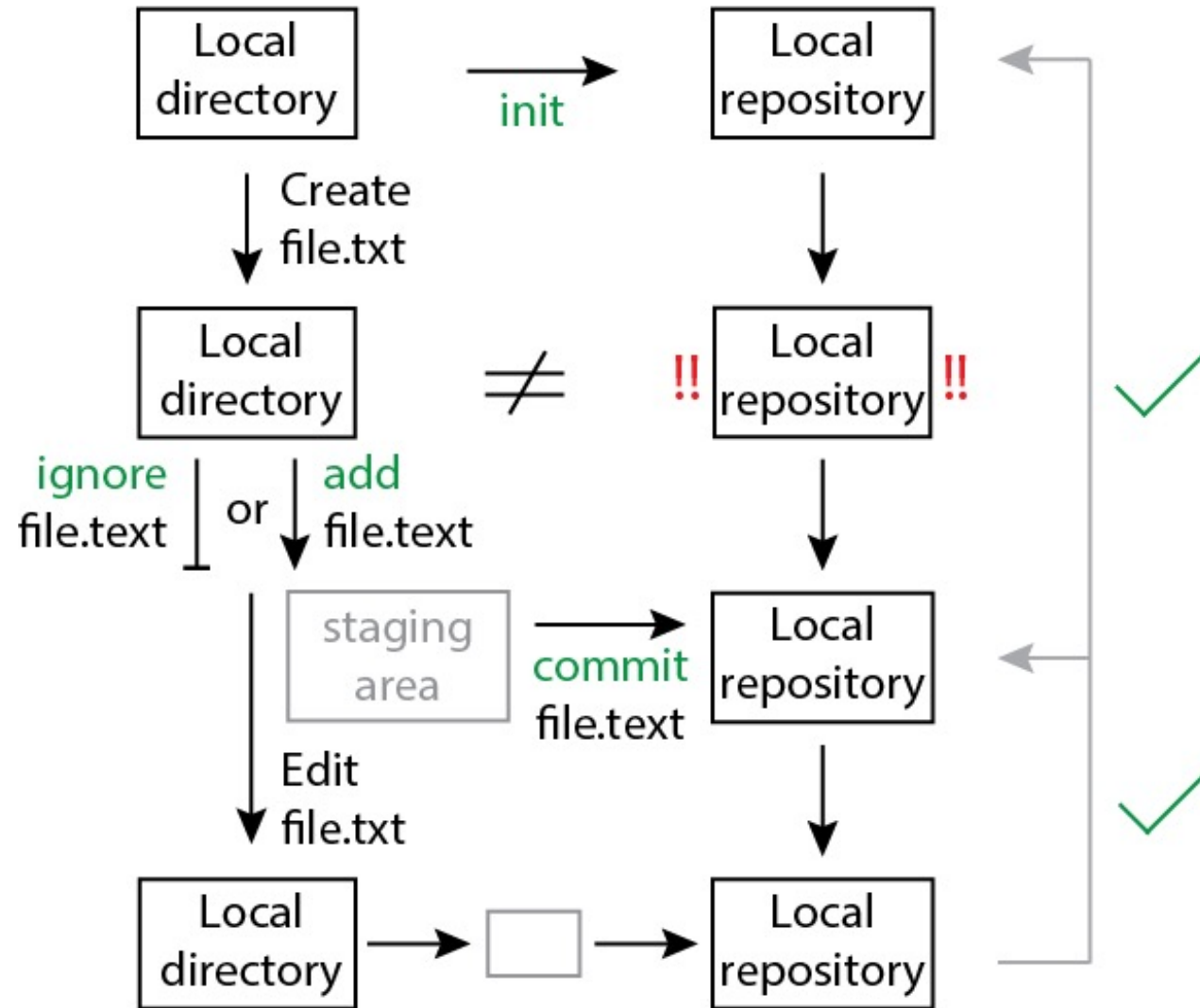
UNIVERSITY *of* WASHINGTON

Collaborate with yourself

git on your local computer
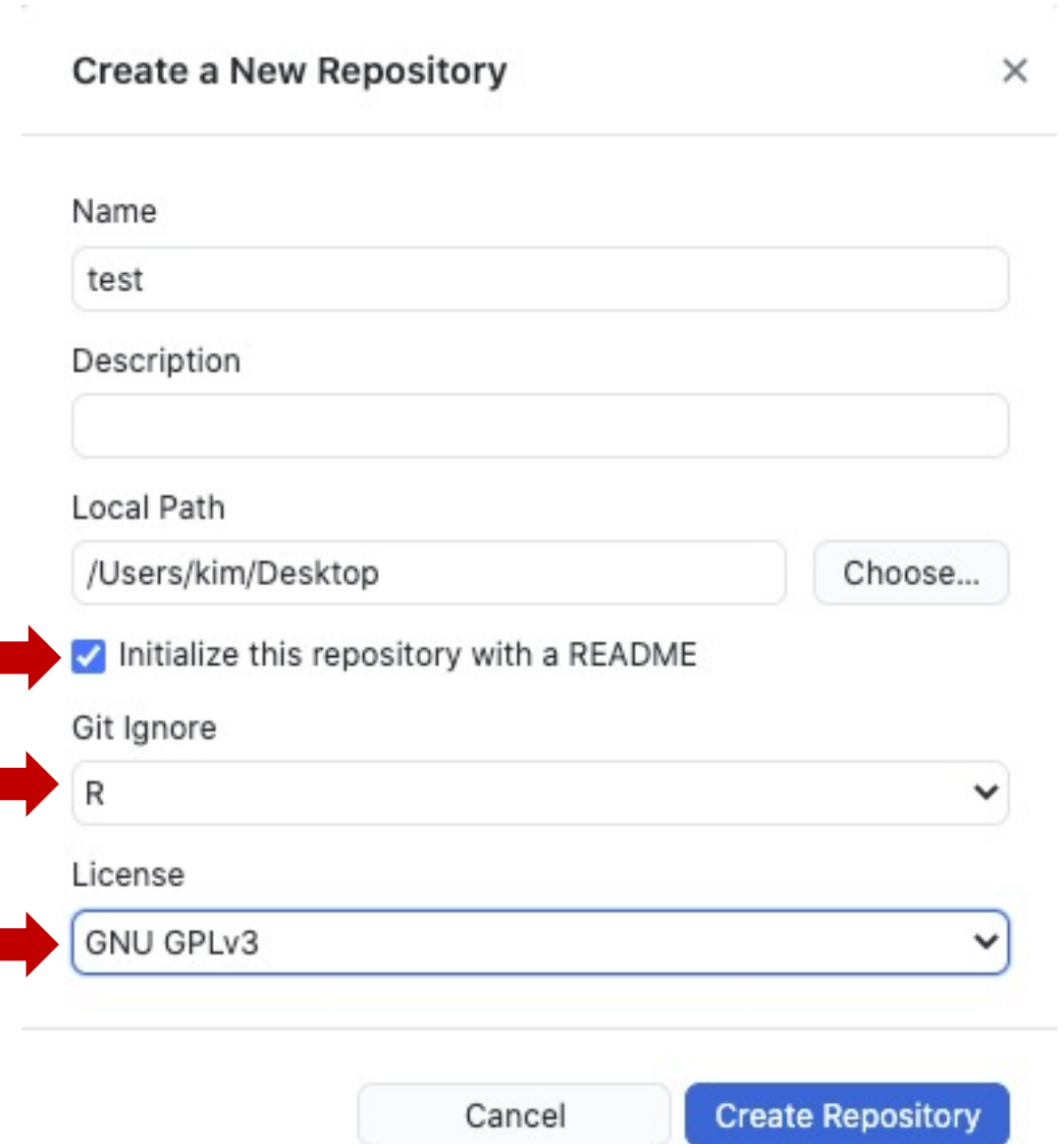
"Standard" workflow

git workflow

Create a new repository
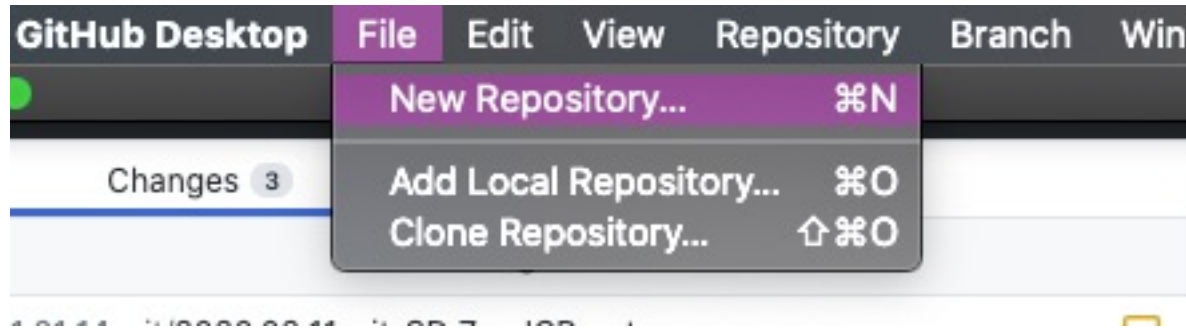
GitHub Desktop | File | Edit | View | Repository | Branch | Win

New Repository... ⌘N

Changes 3

Add Local Repository... ⌘O
Clone Repository... ⇧⌘O

Create a New Repository ✕

Name

test

Description

Local Path

/Users/kim/Desktop | Choose...

Always have a README ➡️ ☑ Initialize this repository with a README

Git Ignore

Optionally auto generate common
ignored files for different programs ➡️ R ⌄

License

Add license so others can ➡️ GNU GPLv3 ⌄
use your code if made public

Cancel | **Create Repository**

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 @@
☑ .DS_Store	⊞	1	+This is my test file. ⊘↵
☑ file.txt	⊞		

Must have a main commit message

Create file.txt

Optional additional details

Description

Commit to **main**

Most recent commit message

Committed 7 minutes ago
Initial commit

Undo

Ignore a file

View complete history

Revert back to old versions
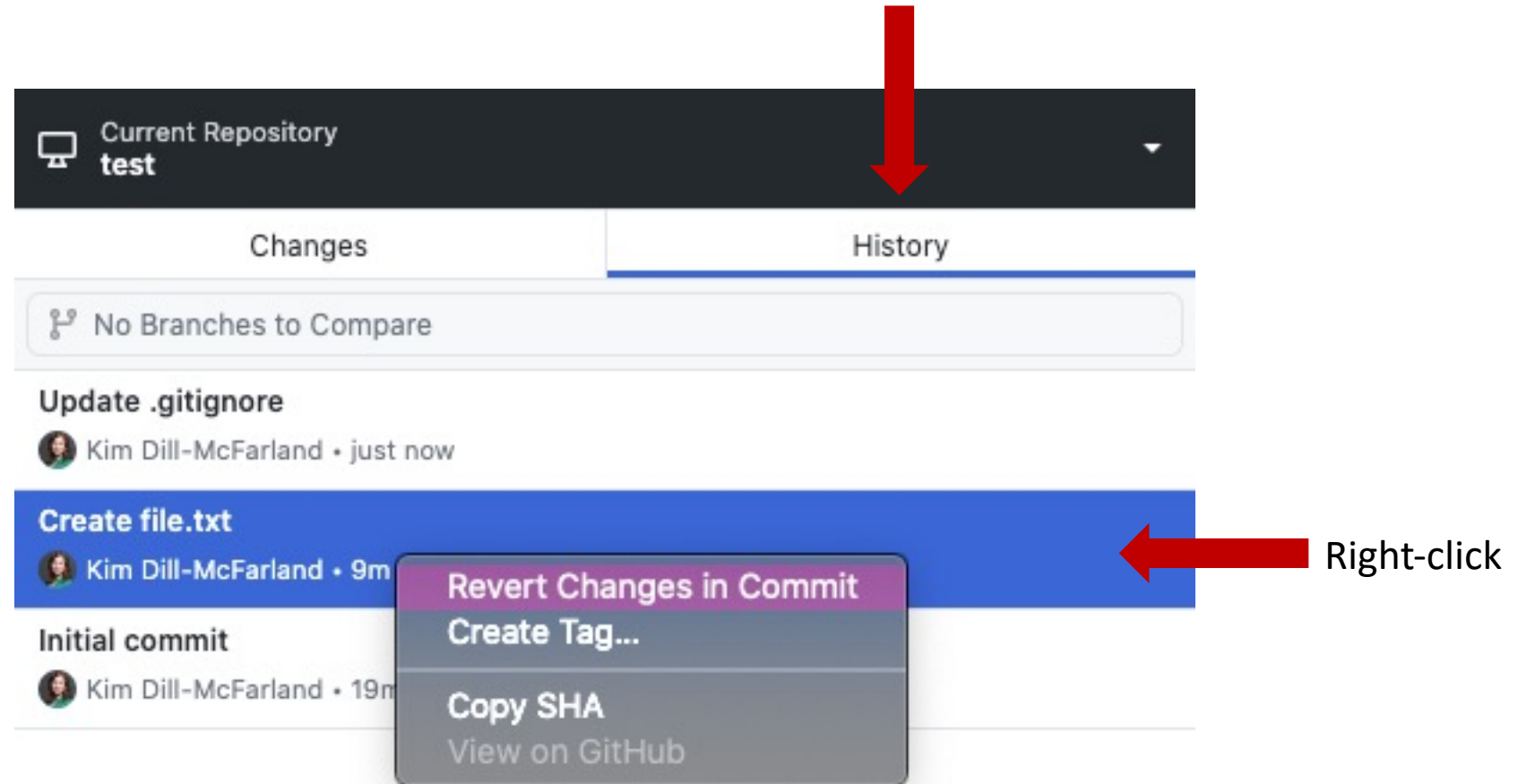
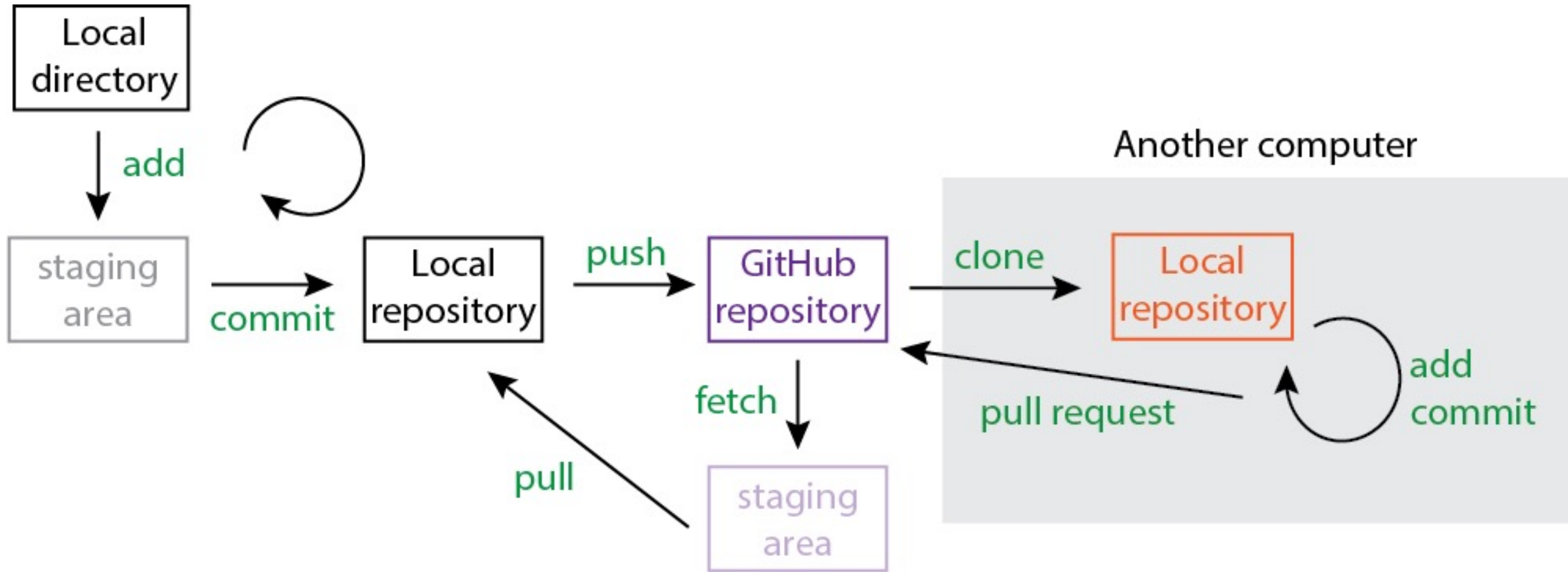# Collaborate with others

GitHub

GitHub workflow

Publish to GitHub

Working with GitHub

Check if local and GitHub match

| 🔒 Current Repository **test** | ▾ | ⦚ Current Branch **main** | ▾ | ⟳ Fetch origin Last fetched just now |
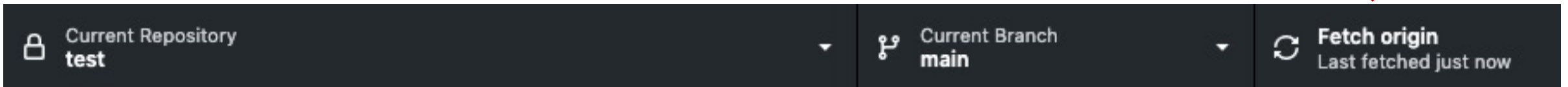
Local copy does not match GitHub.
Click to update GitHub

| 🔒 Current Repository **test** | ▾ | ⦚ Current Branch **main** | ▾ | ↑ Push origin Last fetched 3 minutes ago | 1 ↑ |

Local copy does not match GitHub.
Click to update local

| 🔒 Current Repository **test** | ▾ | ⦚ Current Branch **main** | ▾ | ↓ Pull origin Last fetched just now | 1 ↓ |
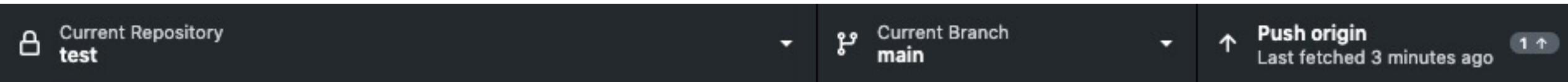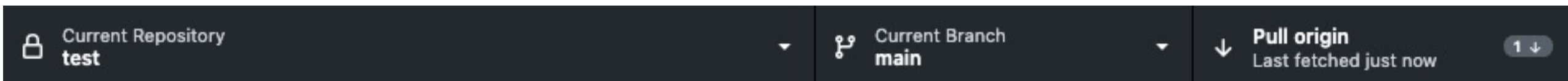
GitHub repos

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

Requests to merge in someone else's code

Files in repo

Automatically renders README
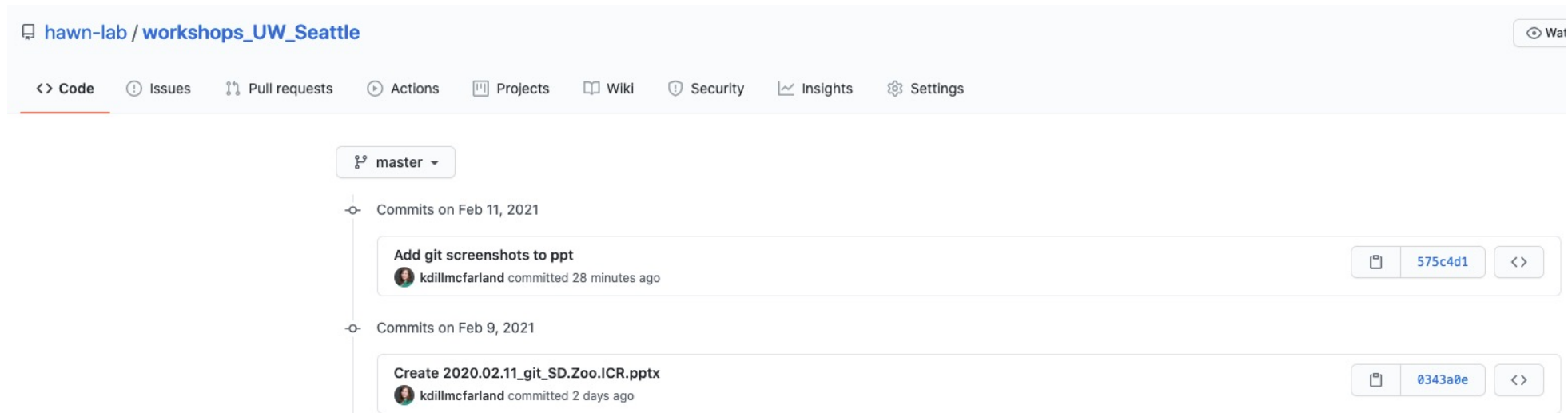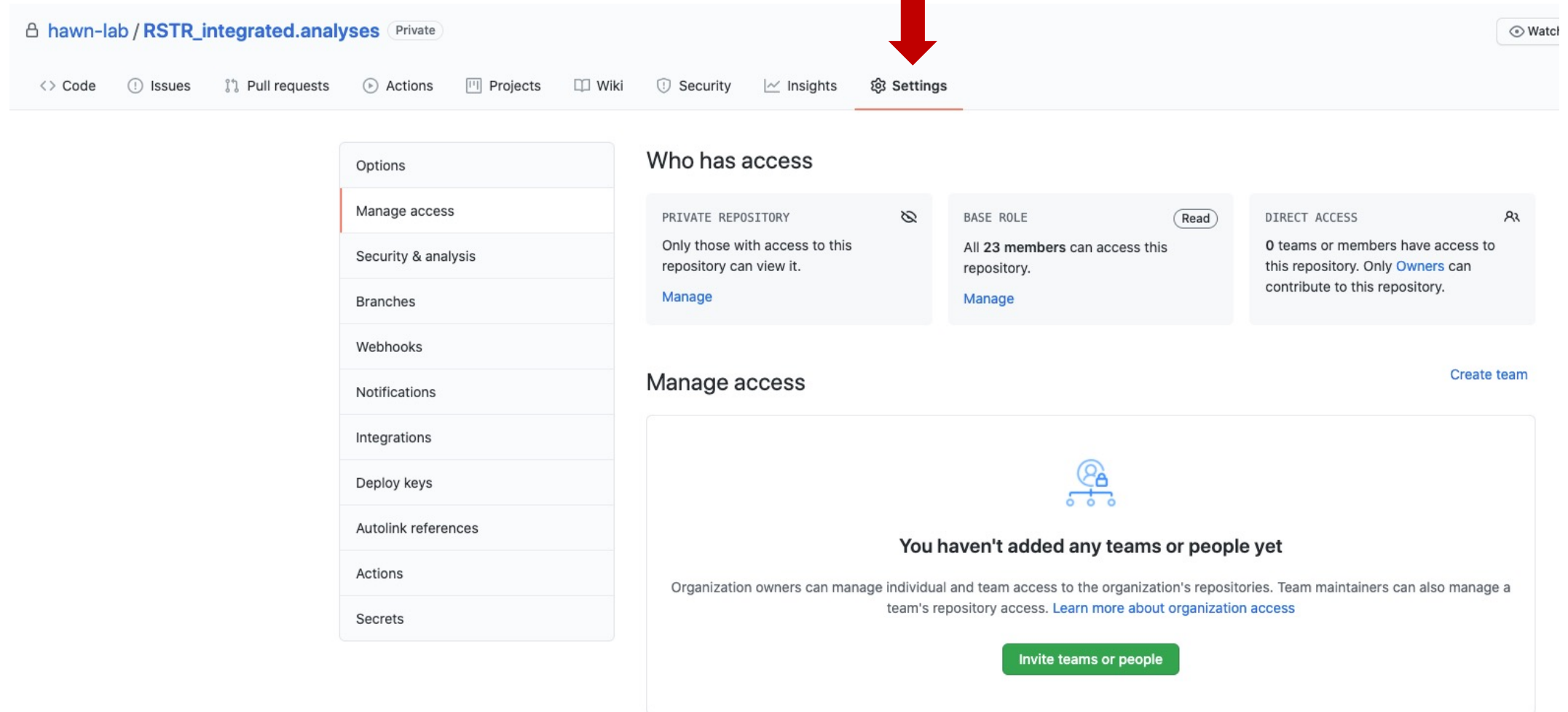
GitHub history

- Select a file and view its commit history
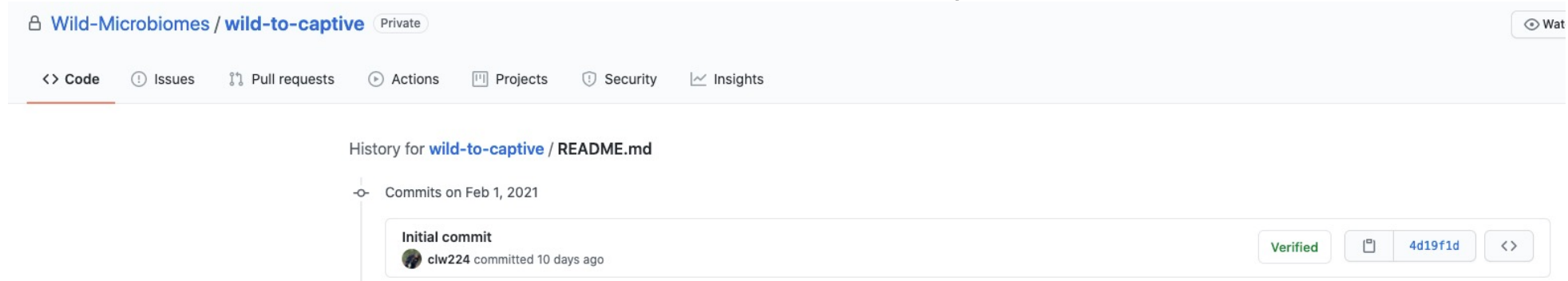
- Or view an entire repo's history

GitHub permissions