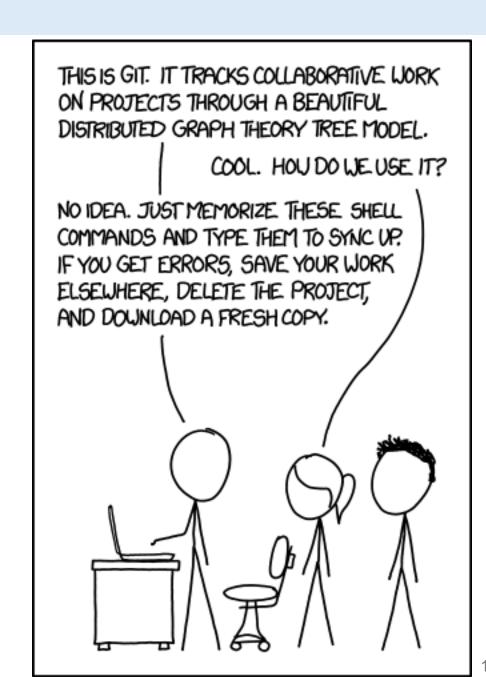
Intro to Git for Turner Group

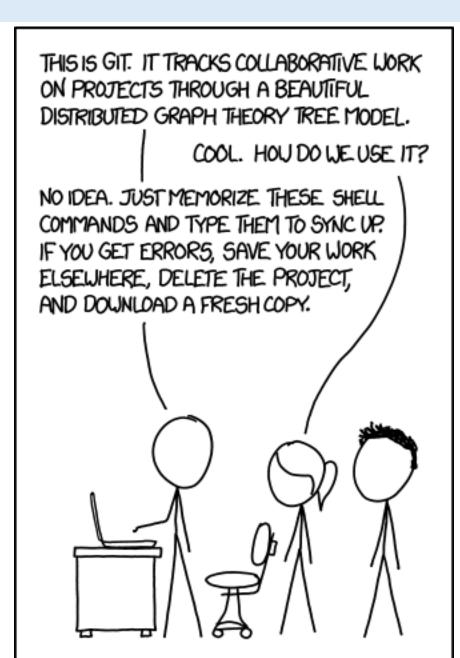
Eliot Kim, Eric Mei August 27th, 2025



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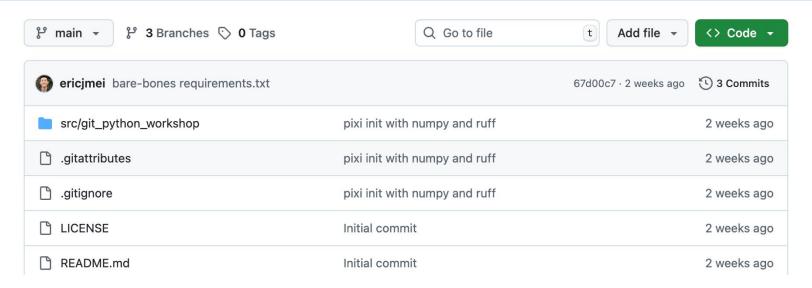


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• Future Career: Many industry jobs request links to GitHub profiles!



How does git work?



- Repositories: Where the code is stored
 - **README**: Directions to run code
 - .gitignore: Specific filetypes to ignore when updating the repo
- Branches: Make parallel edits to codebase, i.e. adding a new feature
 - Main: The "production" branch
- Commits: Repo edit history "versions"
- Pull Requests: Merging edits made in a branch with the "main" branch

How to get, edit, and save code?

git clone <REPO LINK>

Copy repo to LOCAL

git status

Check which files have been changed / unstaged / staged

git add <FILEPATH>

Stage file(s)

git commit -m <MESSAGE>

Add staged file(s) to repo's commit LOCAL history

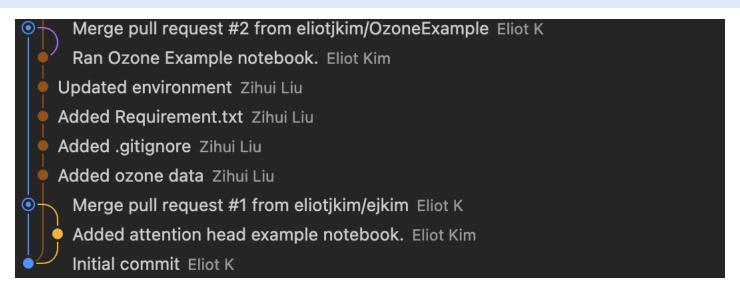
git push

Update REMOTE codebase with committed file(s)

git pull

Get codebase updates from REMOTE to LOCAL

How to collaborate using GitHub?



git branch

Check current branch and other available branches

git branch <BRANCH NAME>

Make a new branch

git checkout <BRANCH NAME>

Hop to the desired branch

Group Exercise!

1. Clone repo!

github.com/ericjmei/git_python_workshop

- 2. Make a branch (include your name / username in branch name)!
- 3. Write and push edits to a function in git_intro.py
 - James: add
 - lana: subtract
 - Sydney: divide
 - Alex: multiply
 - Eric: exponent
 - Eliot: mod
- 4. Create a pull request for your branch!
- 5. Merge the pull requests into the main branch (as a group)