

Version Control with Git

Version Control

Why track/manage different versions of code?

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- Backup: Undo or refer to old stuff
- Branch: Maintain old release while working on new
- Collaborate: Work in parallel with teammates

Version Control Systems (VCSs)

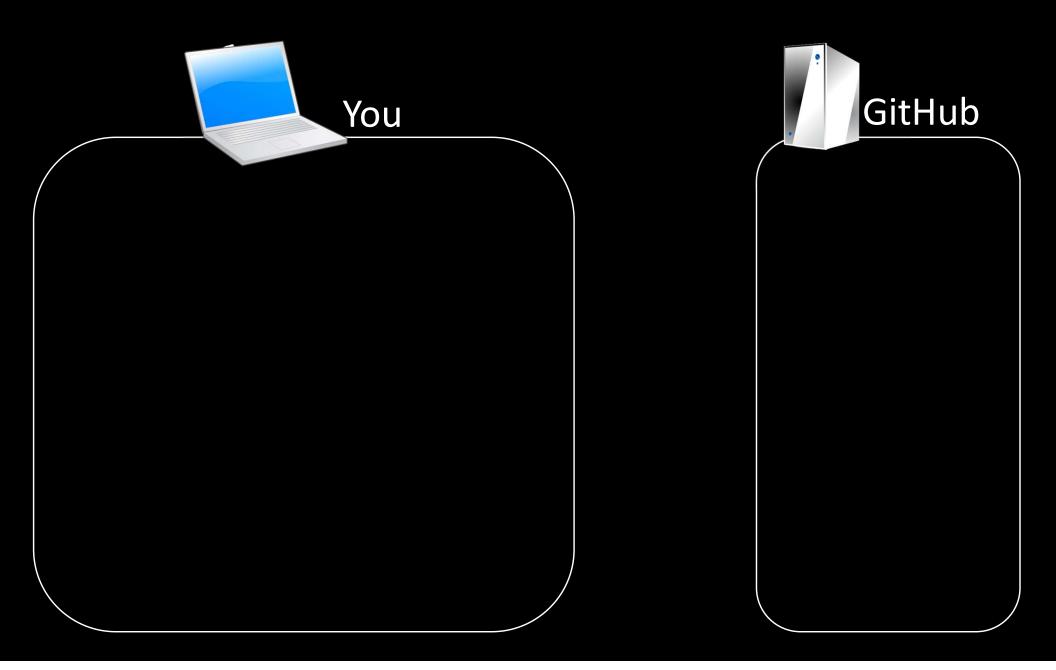
- Help you track/manage/distribute revisions
- Standard in modern development
- Examples:

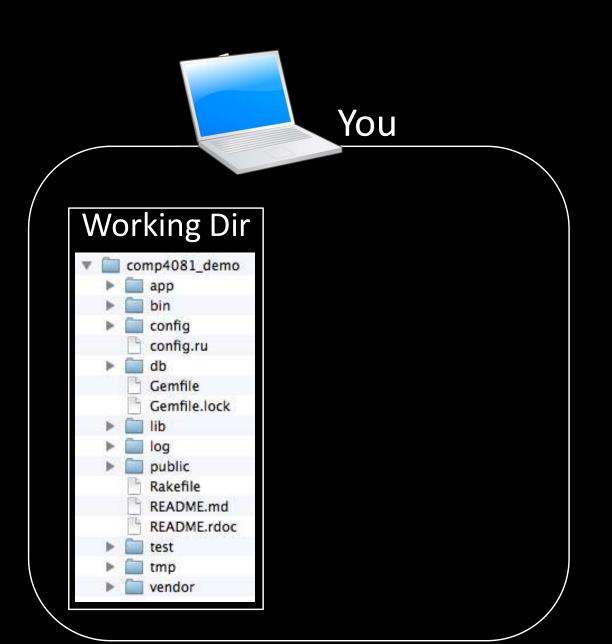


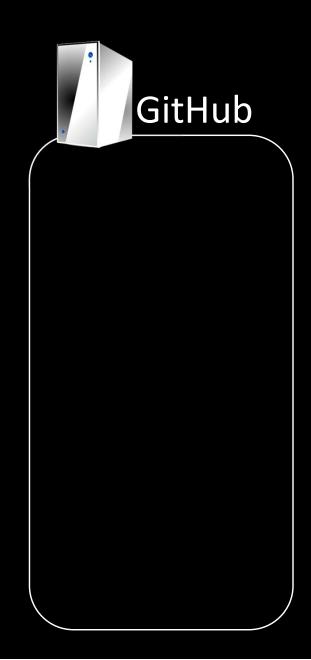
Version Control Hosting Services

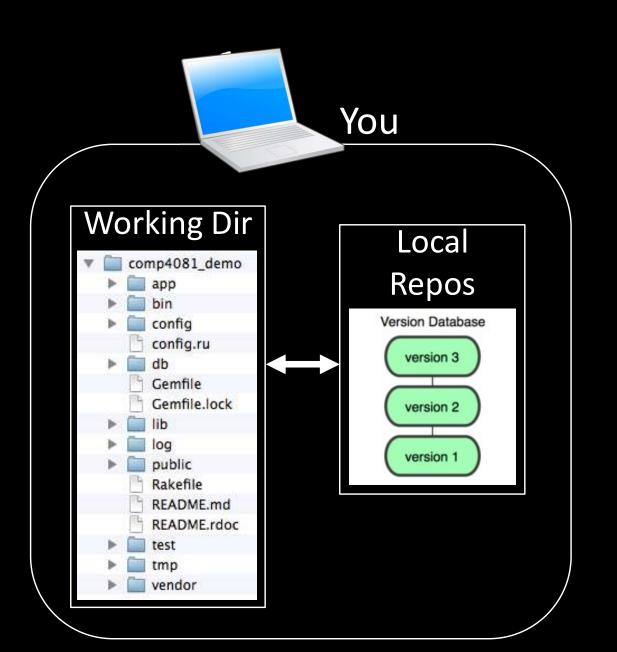
- Enable sharing version control repos
- Internet/Web based
- Examples:
 - SourceForge
 - Bitbucket
 - GitLab
 - GitHub

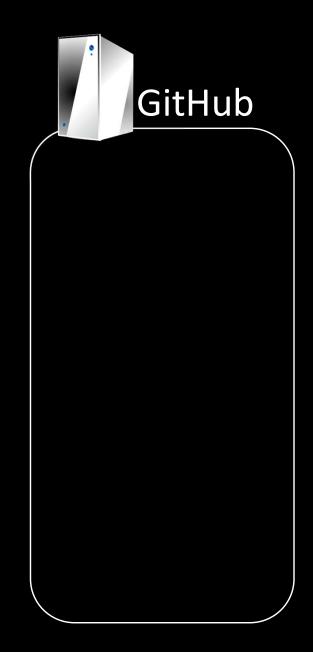
Our focus

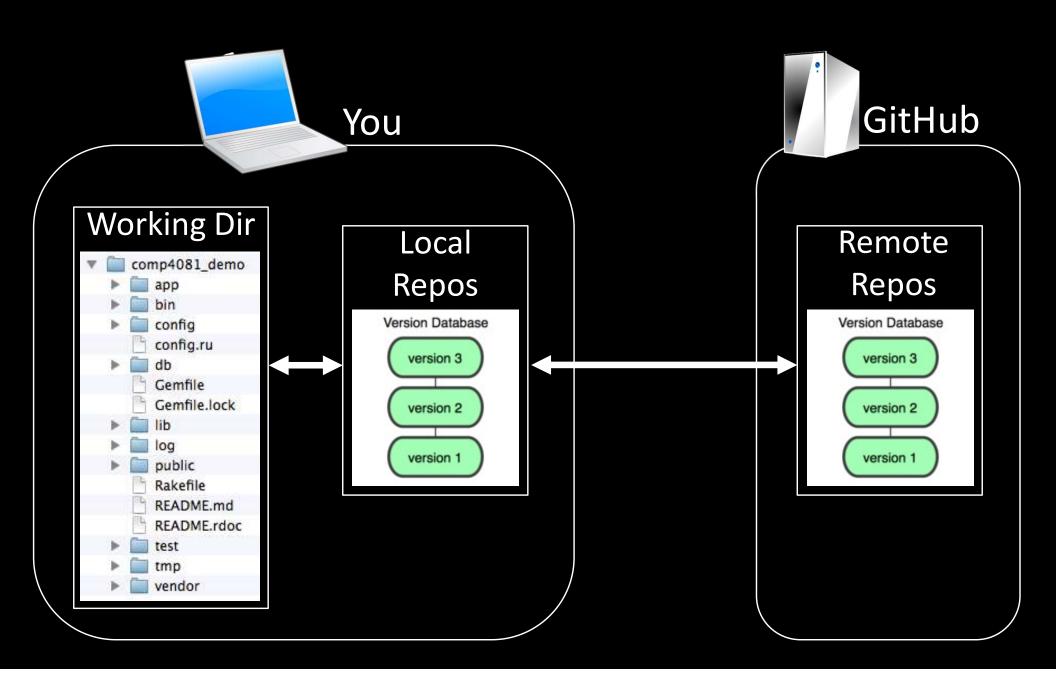




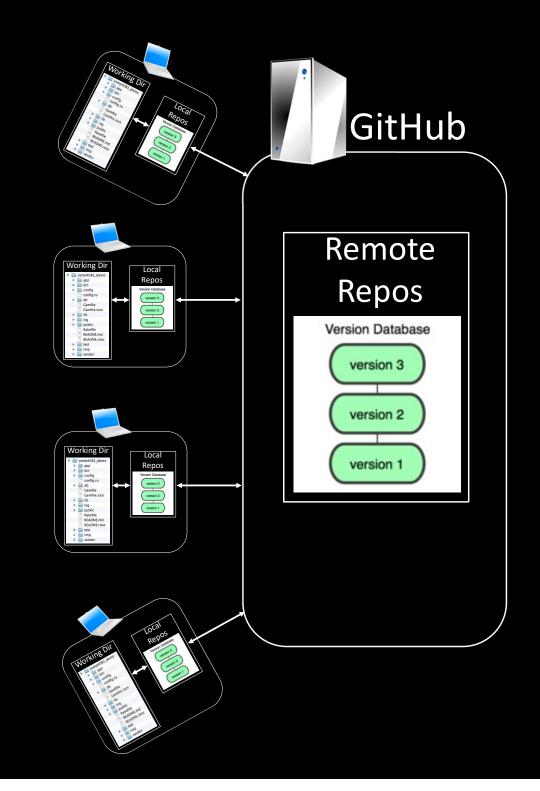




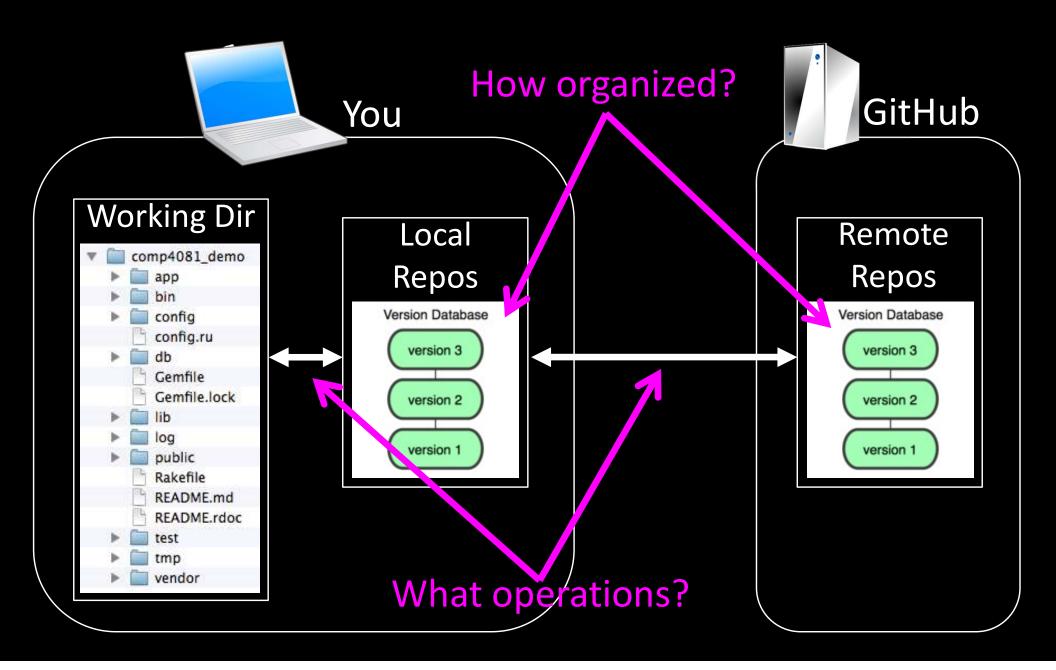


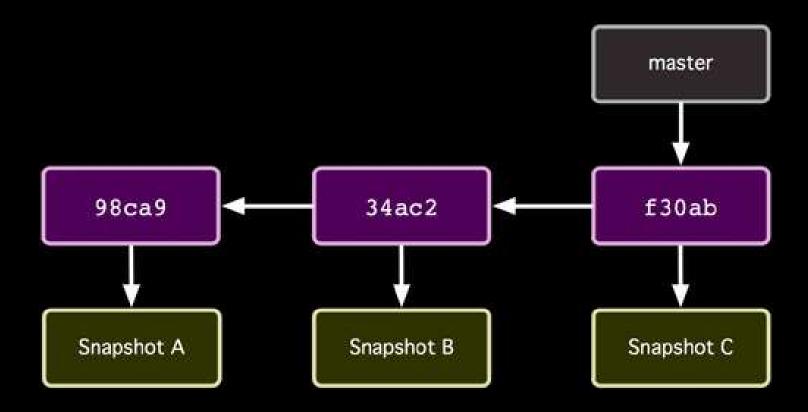


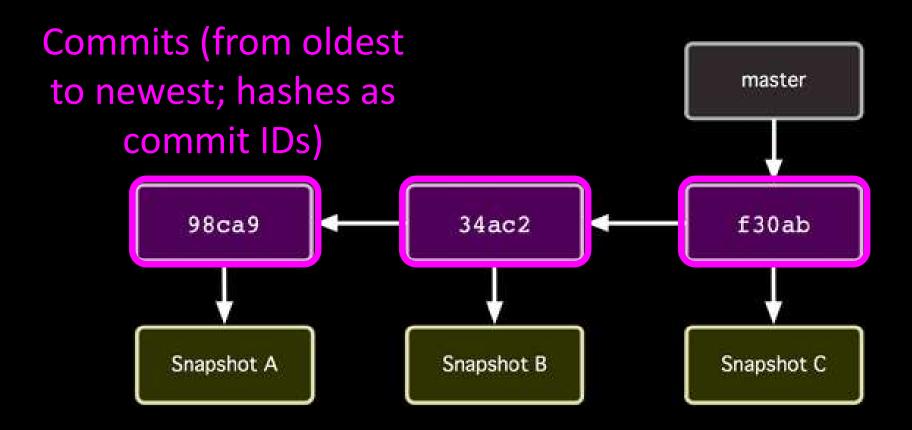
Using GitHub to Collaborate

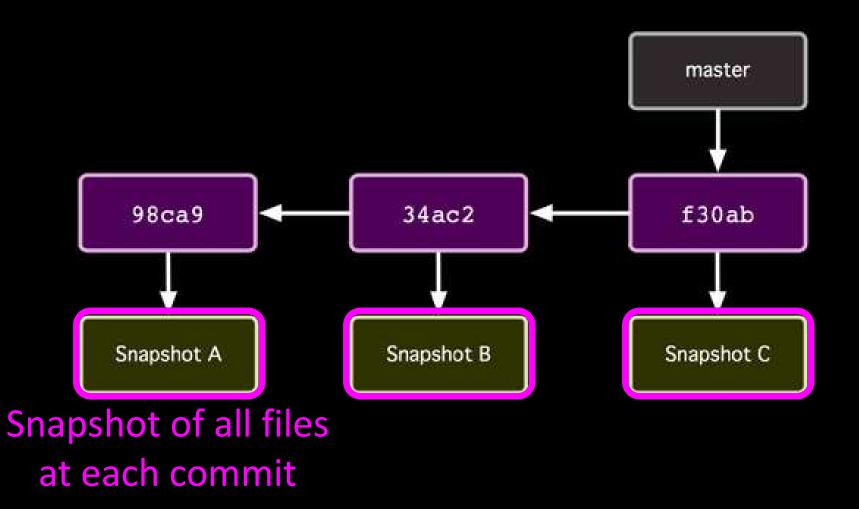


Questions to answer

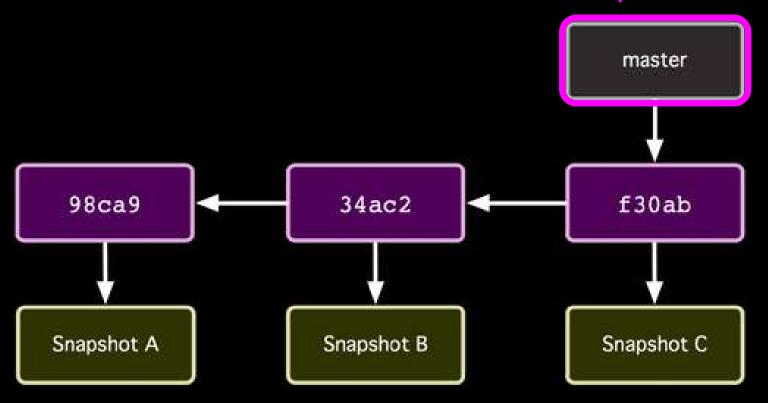


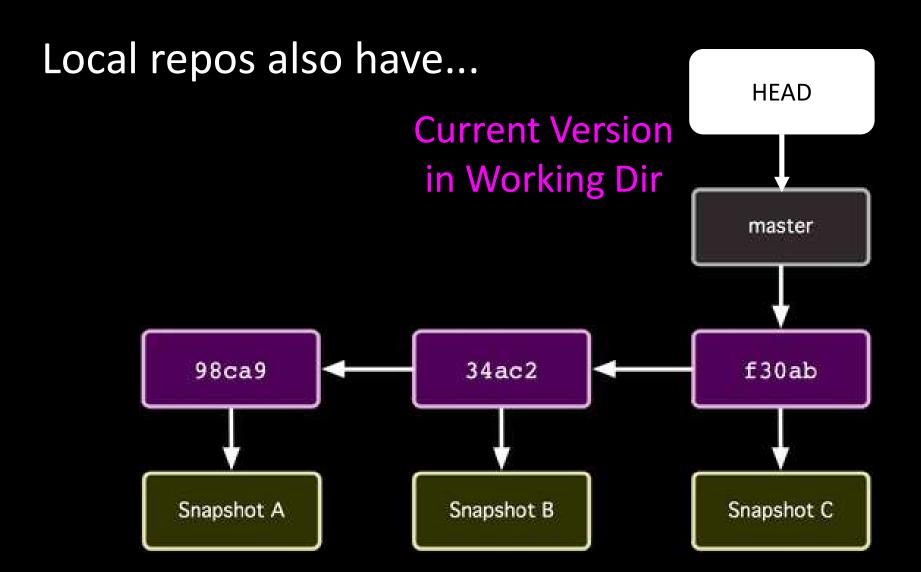




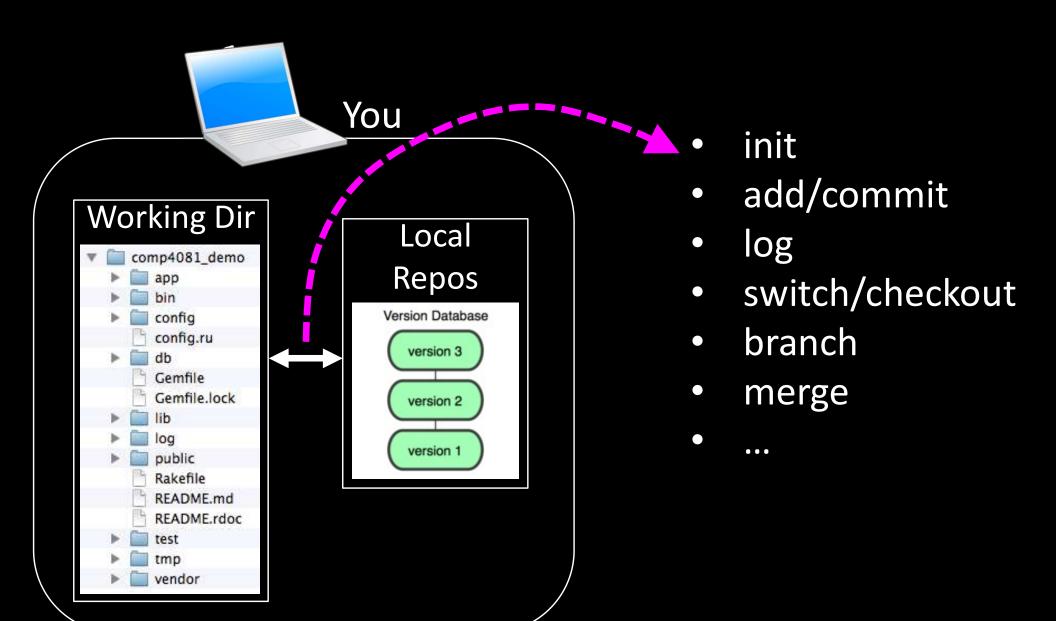


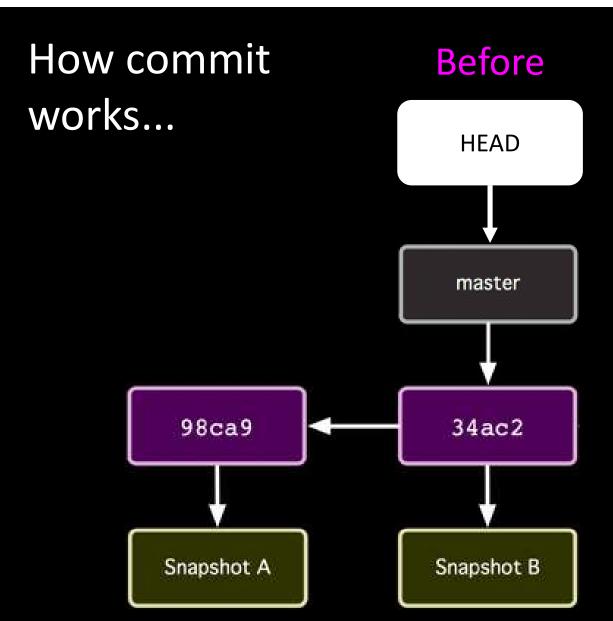
Branch (last commit)

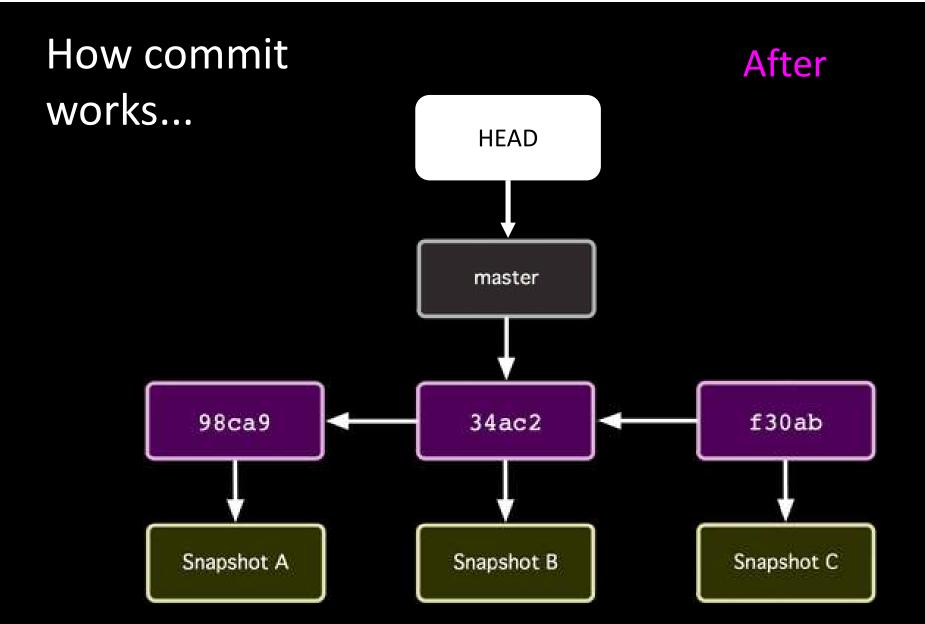




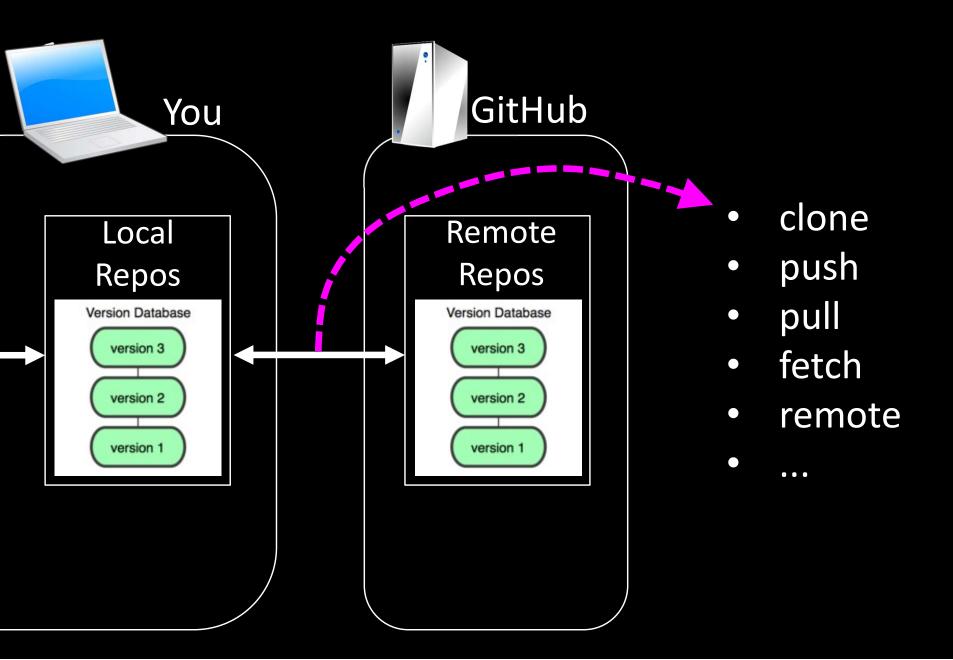
Local Repo Operations







Remote Repo Operations



Learn the Core Local/Remote Operations

Demo Videos:

- https://scott-fleming.github.io/web-dev-rails-gittutorial/demo-04-git-local.html
- https://scott-fleming.github.io/web-dev-rails-gittutorial/demo-05-git-branches.html
- https://scott-fleming.github.io/web-dev-rails-gittutorial/demo-06-git-remote.html

Summary

- Version Control Systems
- Git and GitHub
- Repo Structure
- Local/Remote Repo Operations
- Commit Semantics

