

GIT COMMANDS

SETUP :

- `git config --global user.name "[firstname lastname]"` : set a name that is identifiable for credit when review version history
- `git config --global user.email "[valid-email]"` : set an email address that will be associated with each history marker

INITIALIZATION :

- `git init` : initialize an existing directory as a Git repository
- `git clone [url]` : retrieve an entire repository from a hosted location via URL

STAGE & SNAPSHOT :

- `git status` : show modified files in working directory, staged for your next commit
- `git diff` : diff of what is changed but not staged
- `git diff --staged` : diff of what is staged but not yet committed
- `git commit -m "[descriptive message]"` : commit your staged content as a new commit snapshot

BRANCH & MERGE :

- `git branch` : list your branches. a * will appear next to the currently active branch
- `git branch [branch-name]` : create a new branch at the current commit
- `git checkout` : switch to another branch and check it out into your working directory
- `git merge [branch]` : merge the specified branch's history into the current one
- `git log` : show all commits in the current branch's history

SHARE & UPDATE :

- `git push [alias] [branch]` : Transmit local branch commits to the remote repository branch
- `git pull` : fetch and merge any commits from the tracking remote branch