

## Git Cheat Sheet

by Sam Collett (SamCollett) via cheatography.com/196/cs/104/

**Create Git Repository** 

From existing directory

cd project\_dir

git init

git add.

From other repository

git clone existing\_dir new\_dir

git clone git://github.com/user/repo.git

git clone https://github.com/user/repo.git

Git - Local Changes

Changed in working directory

git status

Tracked file changes

ait diff

Add changed files

git add file1 file2 file3

Remove file

git rm file

git rm dir/-r

(recursive under directory)

See files ready for commit

git diff --cached

Commit changes

git commit

git commit -m "My message"

git commit -a -m "My Message"

(tracked files only, auto add)

Change last commit

git commit --amend

Revert changes to file

git checkout -- file

Revert changes (new commit)

git revert HEAD

Return to last committed state

git reset --hard HEAD

Git - History

Show all commits

git log

**Short Format** 

git log --pretty=short

**Patches** 

git log -p

Show file commits

git log file

Show directory commits

git log dir/

Stats

git log --stat

Who changed file

git blame file

Git - Merge/Rebase

Merge branch into current

git merge branch

Rebase into branch

git rebase branch

git rebase master branch

Abort rebase

git rebase --abort

Merge tool to solve conflicts

git mergetool

Conflicts against base file

git diff --base file

Diff other users changes

git diff --theirs file

Diff your changes

git diff --ours file

After resolving conflicts

git rebase --continue

Git - Remote Update / Publish

List remotes

git remote -v

**Show information** 

git remote show remote

Add remote

git remote add path/url

**Fetch changes** 

git fetch remote

Fetch + merge

git pull remote branch

Publish local to remote

git push remote branch

Delete remote branch

git push remote :branch

**Publish tags** 

git push --tags

Git - Branching/Tagging

List branches

git branch

Switch to branch

git checkout branch

Create new branch

git branch new

Create branch from existing

git branch new existing

Delete branch

git branch -dbranch

Tag current commit

git tag tag-name



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