Github
Git Cheat Sheet

Saad Aslam
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SETUP & INIT

git init

Initialize an existing directory as a Git repository

git clone [url]

Retrieve an entire repository from a hosted location via URL

STAGE

git status

Show modified files in working directory, staged for your next commit

git add [file]

Add a file as it looks now to your next commit (stage)

Just keep moving forward

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STAGE

git reset [file]
Unstage a file while retaining the changes in working directory

git diff
Diff of what is changed but not staged

git diff --staged
Diff of what is staged but not yet commited

git commit -m "[descriptive message]"
commit your staged content as a new commit snapshot

Just keep moving forward

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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

Just keep moving forward

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SHARE & UPDATE

▶ **git merge [alias]/[branch]**
merge a remote branch into your current branch
to bring it up to date

▶ **git remote add [alias] [url]**
add a git URL as an alias

▶ **git fetch [alias]**
fetch down all the branches from that
Git remote

▶ **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

Just keep moving forward