

# Professional Git Reference

laudarch  
2018

## Objectives

Objectives for today:

- Introduce quick and practical git commands.
- Quick reference for everyday git use.

## Quick Git Setup

- git config --global user.name "Your Name"
- git config --global user.email "email@provider.tld"
- git config --list

## Start a git repo from existing code

- git init

### Before First Commit

- git status

### ADD gitignore file

Create a .gitignore and add files that are generated or used only for testing, you can also add files like test files and others.

### ADD files to staging area

- git add -A (A means all)

### Remove files from staging area

- git reset <file> (Resets only <file>)
- git reset (removes everything in staging area)

## First Commit

- git add -A
- git commit -m "Initial Commit"
- git status (Check current status of repo)
- git log (Look at commits to the repo)

## Pushing changes

- git diff
- git status
- git add -A
- git commit -m "message"

### THEN PUSH

- git pull origin master
- git push origin master

### After Commit push branch to remote

- git push -u origin <branch>
- git branch -a

## Create a branch for desired Feature

- git branch <name\_of\_branch>
- git checkout <name\_of\_branch>

## Cloning a Remote repo

- git clone <url> <where to clone>

### Viewing info about the remote repo

- git remote -v
- git branch -a

## Getting Help

Should you need help with a git command and can't remember the syntax you can use:

- ① git help <option> (e.g. branch)
- ② git <option> --help (e.g. branch)

## Delete a branch locally and remotely

### Delete Local Branch

- git branch --merged
- git branch -d <branch>

### Delete Remote Branch

- git branch -a
- git push origin --delete <branch>

## Merge master branch with (working branch) after testing for code hiccups

- git checkout master
- git pull origin master
- git branch --merged
- git merge <branch>
- git push origin master

## Credits

- <https://qremiaevolution.org>
- <https://509host.com>