



# Quickstart Guide

[jr0cket.github.io/developer-guides](http://jr0cket.github.io/developer-guides)

## Install Git Client

[git-scm.com/downloads](http://git-scm.com/downloads)  
`apt-get install git`  
[toolbelt.heroku.com](http://toolbelt.heroku.com)  
[sourcetreeapp.com](http://sourcetreeapp.com)

## Identify yourself

```
git config --global user.name "name"  
git config --global user.email "email"
```

View your Git settings

```
git config --list
```

## Create a local repository

```
git init
```

## Version your project locally

Stage everything, a specific file or hunks

```
git add .      git add file  
git add -p    git add -p file
```

Commit all staged changes

```
git commit -m "commit message"
```

Modify the change last committed \*

```
git commit --amend
```

## Tracking changes

```
git status      git log  
git diff        git diff --staged  
git diff --word-diff
```

## Branching & Merging

```
git branch new-branch  
git checkout branch  
git checkout -b new-branch
```

Merge specified branch to current branch

```
git merge branch
```

## Modifying changes

Reset file to latest committed version

```
git checkout file
```

Remove a tracked file from staging

```
git reset HEAD file
```

Remove untracked file from staging

```
git rm -r --staged file
```

Reset all files from the last commit

```
git reset --hard
```

## Stashing Changes

Save / restore working copy

```
git stash      git pop
```

## Remote Repositories

Copy project from a remote repo

```
git clone remote-name repo-url
```

Update local repo from remote

```
git pull remote-name branch
```

Update remote with local commits

```
git push remote-name branch
```

## Stash

changes briefly hidden away

## Working Copy

source code & config files

## Staging

changes awaiting commit

## Local Repo

.git folder managing  
changes on your laptop

## Remote Repo

Repos accessible via the  
Internet eg. Github, Heroku

## Git Help

Git visual cheatsheet

[bit.ly/git-visual-cheatsheet](http://bit.ly/git-visual-cheatsheet)

Github Help

[help.github.com](http://help.github.com)

Git & Github tutorial

[jr0cket.co.uk/git-workshop](http://jr0cket.co.uk/git-workshop)

\* Be wary of any git commands that change the history, eg `git commit --amend`, `git rebase`, especially once changes are shared with other repositories