

# GIT AND GITHUB CHEAT SHEET

## SETUP

- Set username: `$ git config --global user.name "[firstname lastname]"`
- Set user email: `$ git config --global user.email "[valid-email]"`
- View username: `$ git config user.name`
- View user email: `$ git config user.email`
- View all settings: `$ git config --list`
- Set Vim editor: `$ git config --global core.editor "vim"`
- Set Nano editor: `$ git config --global core.editor "nano"`

## START A PROJECT

`$ git init`  
`$ git clone URL`

## COMMITTS

`$ git status`  
`$ git add [file]`                      `$ git add .`  
`$ git commit`                          `$ git commit -m "[description]"`  
`$ git log`                              `$ git log --oneline`  
`$ git commit --amend` (*modify last commit*)

## BRANCHES

`$ git branch` (*list all branches*)  
`$ git branch "[branch name]"` (*create a new branch*)  
`$ git checkout -b "[branch name]"` (*create a new branch and switch to it*)  
`$ git branch -d [branch name]` (*delete a branch*)  
`$ git checkout [branch name]` (*switching between branches*)

## MERGING

`$ git checkout branchB`  
`$ git merge branchA` (*merge branchA into branchB*)  
`$ git merge --squash branchA`  
(*merge and squash all commits of branchA into branchB*)

## UNDOING THINGS

`$ git reset --hard [commit code]`

`$ git pull`