CS120B Github cheatsheet

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Adapted from: <https://education.github.com/git-cheat-sheet-education.pdf>

# SETUP

* **git** config --global user.name “[firstname lastname]”  
  **git** config --global user.name “Jeffrey McDaniel”  
  Set a name that is identifiable for attribution when reviewing version history
* **git** config --global user.email “[UCR email]”  
  **git** config --global user.email “[jmcda001@ucr.edu](mailto:jmcda001@ucr.edu)”  
  Set an email address that will be associated with each history marker
* **git** config --global color.ui auto  
  Set automatic command line coloring for Git for easy reviewing

# STAGE & SNAPSHOT

* **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)
* **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 committed
* **git** commit -m “[descriptive message]”  
  Commit your staged content as a new commit snapshot

# SHARE & UPDATE

* **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