

Git Bootcamp Cheatsheet – Git & Vim

Create a Git Profile

`git config --global user.name "Peter Parker" ... Sets profile name`

`git config --global user.email "Parker.P@midtown.net" Sets profile email`

`git config --global editor="vim" Sets default editor`

`git config --global list Displays Git profile configuration`

Make a Git Commit

`git add <document> Add a document to staging`

`git status View documents that have been staged`

`git reset <document> Remove a document from staging`

`git commit Record changes to the repository`

Generate a SSH Key

`ssh-keygen -t ed25519 -C "Parker.P@Midtown.net" Generate a new SSH key on your machine`

Adding a SSH Key to SSH-Agent

`eval "$(ssh-agent -s)" Start ssh-agent in the background`

`ssh-add ~/.ssh/<yourKeyName> Add your key to the ssh-agent`

Testing your SSH Connection

`ssh -T git@git.cs.usask.ca Attempts to ssh to Gitlab`

Git Branching

`git checkout Move to another branch`

`git checkout -b <branchName> .. Create a new branch`

`git checkout -d <branchName> Delete a branch`

`git branch View all branches`

`git merge .. Integrate changes from a branch into another branch`

More Git Commands

`git fetch Updates local references from remote branch but doesn't merge changes`

`git pull .. Fetches changes from remote repository and automatically merges them into your current branch`

`git push ... Uploads changes to remote repository`

`git log Display the commit history`

`git reset --soft <commitId> . Reset to a specific commit, keep changes and staged documents from commits made after the commit`

`git reset --hard <commitId> Reset to a specific commit, discard any changes and commits made after the commit`

Vim Commands

`k or ↑ key Move cursor up`

`j or ↓ key Move cursor down`

`h or ← key Move cursor left`

`l or → key Move cursor right`

`i Enter insert mode`

`esc Exit current mode`

`:wa ... Write and save changes to all buffers`

`:wq Write and exit`

`:q Exit vim`

Additional Learning Resources

Editors:

<http://www.nano-editor.org/>
<http://www.vim.org/>
www.vim-hero.com

Git:

<https://www.git-scm.com>
<https://www.git-scm.com/doc>
<https://docs.github.com/en>
<https://docs.gitlab.com/ee/>

Created by Nate Dolny, 2024
https://gitlab.com/natedolny/git_bootcamp/

Released under the MIT license.