

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 --list` Displays profile configuration

Make a Git Commit

`git init` Initializes a new repository in a directory

`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 <branchName> ...` 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 <branchName>` Integrate changes from a branch into another branch

More Git Commands

`git clone .` Create a copy of an existing repository

`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` Move cursor up

`j` Move cursor down

`h` Move cursor left

`l` 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/>

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https://gitlab.com/natedolny/git_bootcamp/

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