GIT CHEAT SHEET

Git is the open source distributed version control system that facilitates GitHub activities on your laptop or desktop. This cheat sheet summarizes commonly used Git command line instructions for quick reference.

For more complete command list:
https://services.github.com/on-demand/downloads/github-git-cheat-sheet.pdf

CONFIGURE TOOLING
Configure user information for all local repositories

`$ git config --global user.name "[name]"`

Sets the name you want attached to your commit transactions

`$ git config --global user.email "[email address]"`

Sets the email you want attached to your commit transactions

CREATE REPOSITORIES
Start a new repository or obtain one from an existing URL

`$ git init [project-name]`

Creates a new local repository with the specified name

`$ git clone [url]`

Downloads a project and its entire version history

MAKE CHANGES
Review edits and craft a commit transaction

`$ git status`

Lists all new or modified files to be committed

`$ git diff`

Shows file differences not yet staged

`$ git add [file]`

Snapshots the file in preparation for versioning

`$ git diff --staged`

Shows file differences between staging and the last file version

`$ git reset [file]`

Unstages the file, but preserve its contents

`$ git commit -m "[descriptive message]"`

Records file snapshots permanently in version history

SYNCHRONIZE CHANGES
Register a repository bookmark and exchange version history

`$ git push [alias] [branch]`

Uploads all local branch commits to GitHub

`$ git pull`

Downloads bookmark history and incorporates changes