Git Command Cheat Sheet

Problem	Sub-Problems	Commands
Configuaration		
Set your git user name		git config −−global user.name "Your␣Name"
Set your git email		git config −−global user.email you@somedomain.com
Set your text editor		git config −−global core.editor PathToEditor
Cross-platform line endings	Windows	git config −−global core.autocrlf **true**
	Mac/Linux	git config −−global core.autocrlf input
Getting Started		
Create a new repo	From an existing remote	git clone RemoteURI
	In a local directory	git init
Branches		
Create a new branch	Off current branch	git checkout −b BranchName
	Off another (possibly remote) branch	git checkout −b NewBranchName ExistingBranchName
Get list of all branches		git branch −a
Switch branches		git checkout BranchName
Tracking Local Changes		
Stage Changes	New file(s)	git add Filename(s)
	Updates to tracked files	git add −u
Commit Staged Changes	Short, inline message	git commit −m 'Message'
	Bring up editor to construct message	git commit
Check the status of current branch		git status
See commit log of current branch		git log
Remove a file	From repository and working directory	git rm FileName
	From repository only (stop tracking)	git rm −−cached FileName
Remotes		
Add a new remote		git remote add RemoteName RemoteURI
Get list of remotes		git remote −v
Fetch latest branches from remote		git fetch RemoteName

Push a branch to remote	Same branch name on remote	git push RemoteName BranchName
	Different name on remote	git push RemoteName LocalBranchName:RemoteBranchName
Merge remote branch into local branch	Post fetch	git merge RemoteName/RemoteBranch
	No fetch	git pull RemoteName RemoteBranch