

## Git guder

- Remote repository is copy of project stored in cloud
- Git push tells git to upload all changes to server. Doesn't need to be done after every commit, will upload all commits since last push
- Branches are exactly what they sound like, smaller bits extending from tree trunk, different versions of code
- Branches lets us work on code fixes and features w/out breaking what we already have working
- Master branch is trunk of code tree and should only contain clean code ready for deployment
- Git branch <name> tells git to maintain new copy of code with given name
- Git branch on its own will list branches available and display asterisk next to one we are working on
- Git checkout <branch> tells git to switch to different branch
- Merge command combines branches
- Merge conflict- when a file has changed in both of the branches you are trying to combine, git can't automatically determine what you want to keep
- With git, my partner and I won't have to keep sending each other our code over and over again. It feels like it would take a while to set it up, but will probably be worth it in the long run. Using this, if our code gets messed up somewhere along the line, we can always go back to a saved checkpoint in our code. It's a bit hard to understand how all of github works, but the basics should be enough for now.

- My understanding of Git would be rated 3/4