To follow along, download: bit.ly/git-down

Advanced Git

Joe Constantakis

~OR~

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If I See You Fix Merge Conflicts
In A Text Editor I Will Lose All
Respect For You As A Developer
And As A Human Being

Joe Constantakis

Assumed Knowledge

```
> git commit [--amend]
> git pull
> git status
> git branch #list/create/delete branches
> git checkout #switch branches
```

Initial Commands To Know

> git reset #reset to an earlier state
> git clean #delete untracked files
> git reflog #local "undo" history
> git log --oneline --graph --decorate --all
#pretty network graph (make an alias)

git mergetool

#fix merge conflicts with precision and ease

You noticed something is broken, but you're not sure when it broke.

git bisect

```
#find where you screwed up
in log(n) time using
binary search
```

Problems

You need to:

- Edit a previous commit you've made. It's not your most recent commit, so commit -amend won't work
- Squash multiple commits into one
- Split up a large commit into multiple

git rebase -i

You've been teleported back in time to 2006 before Github was created and you need to email a commit to someone.

git format-patch

#save the contents of a commit to a patch file, and optionally email it

git am

#apply a patch

You made a commit to the wrong branch, or you want to add a commit from another branch to the current one.

git cherry-pick

#apply a single commit to a different branch

Other Useful Commands

using some shell code

The End