

git - extra tools

Adapted from materials by Dr. Carrier



mergetools

There are external tools to help with merge conflicts

For example: meld

```
git config --global merge.tool meld
```

```
git config --global
```

```
mergetool.keepBackup false
```

After encountering a conflict with `git merge`, run
`git mergetool`

Still need to add and commit files afterward

Stashing changes

What if you have changes you want to *maybe* keep, but you don't want to commit? `git stash`!

`git stash` - saves both staged and unstaged changes and saves them for later

Add a `-u` to store untracked files, too!

`git stash pop` to then bring the changes back

There are more advanced features if you're interested!

Reverting changes

My group partner pushed an awful commit but you said not to rewrite history. What do I do?!?!?!?

```
git revert <commit>
```

This does not rewrite history, it adds new history that reverses the mentioned commit :^)

(This is much better for syncing with other people)

Viewing previous states

I want to *look* at an old version of a file (but not bring back that old version):

```
git show <commit>:filepath
```

I want to bring back a previous version of a file:

```
git restore --source=<commit/branch>  
filepath
```

Old way:

```
git checkout <commit> filepath
```

Note: Careful! Checking out just a commit will detach HEAD!