

# 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!