

Simple GitHub Howto (method #1)

This is a simple howto explaining how to add or edit files in "iLCSoft/lcgeo" using command line git instructions.

First, we create a fork of "iLCSoft/lcgeo" by clicking the **'Fork'** button on the top right corner:

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Then, in the popup dialog, we click the avatar to create protopopescu/lcgeo. **If the fork is already there, make sure it's up to date, else you will have to rebase it and it's not possible from within the browser.**

The title in the top left will now say

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Then we go back to a terminal and do:

```
git clone https://github.com/iLCSoft/lcgeo
```

```
cd lcgeo/
```

```
git branch -vv
```

We now move to my fork of "iLCSoft/lcgeo", called "protopopescu/lcgeo". **If the fork was already there, make sure it's up to date, else this won't work.**

```
git remote add downstream https://protopopescu.github.com/protopopescu/lcgeo
```

Now, we create a new branch, which we call "SiD_edits"

```
git checkout -b SiD_edits
```

We edit some file

```
cd SiD/compact/SiD_o2_v03
```

```
emacs materials.xml
```

then we 'save' (=add+commit+push) the changes

```
git add materials.xml
```

```
git commit -m"Updated materials list"
```

```
git push downstream SiD_edits
```

And we are now ready for creating a pull request. Back to the browser, we notice at the top right a **'Compare & pull request'** button

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We click it and we are presented with

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We click the green button, add our comments and release notes, and then click the **'Create pull request'** button:

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The pull request will be reviewed and eventually be approved. Once the pull request is approved, the code will go into the iLCSoft/lcgeo master, and we can now even delete the branch

```
git branch -d SiD_edits
```