HOW TO EDIT A GITHUB REPOSITORY UNDER WINDOWS

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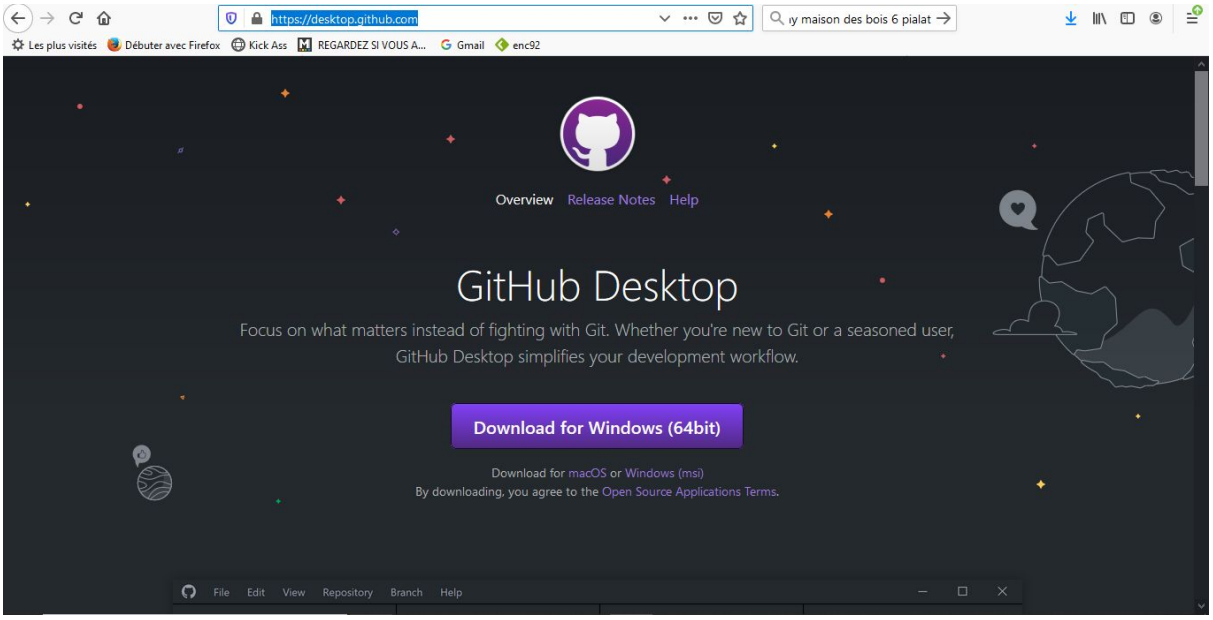
1. first, create a github account

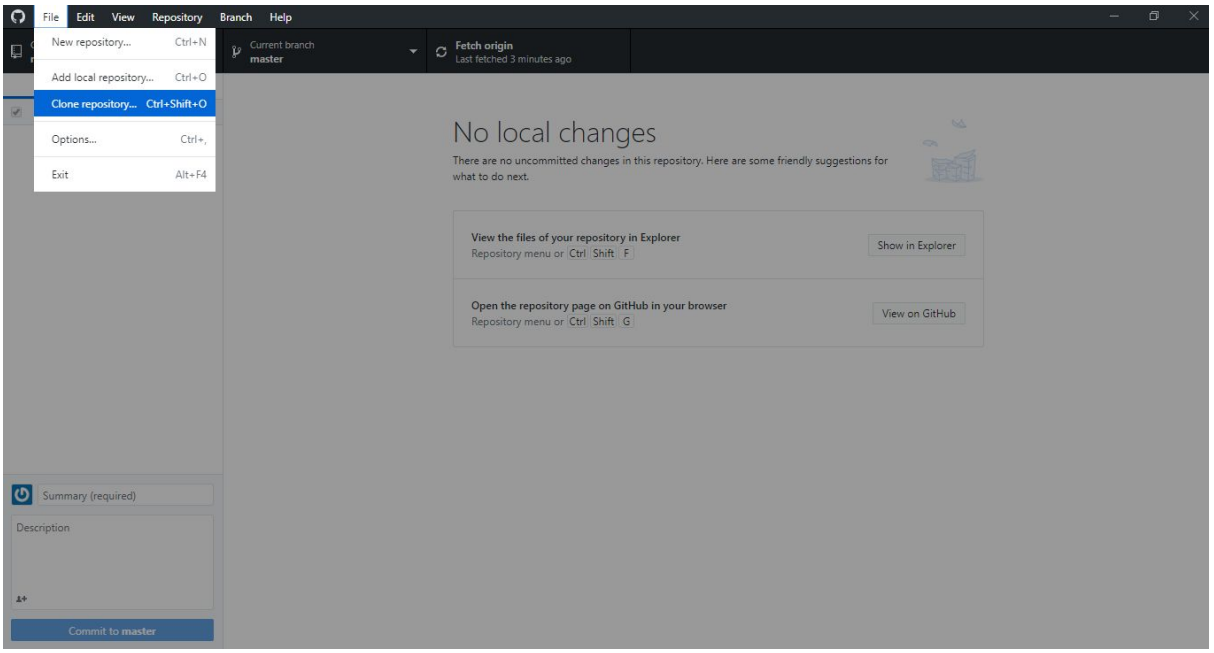
Go to https://github.com and register on github.com. This is free.

Then, install ``Github Desktop'' for Windows (also free):

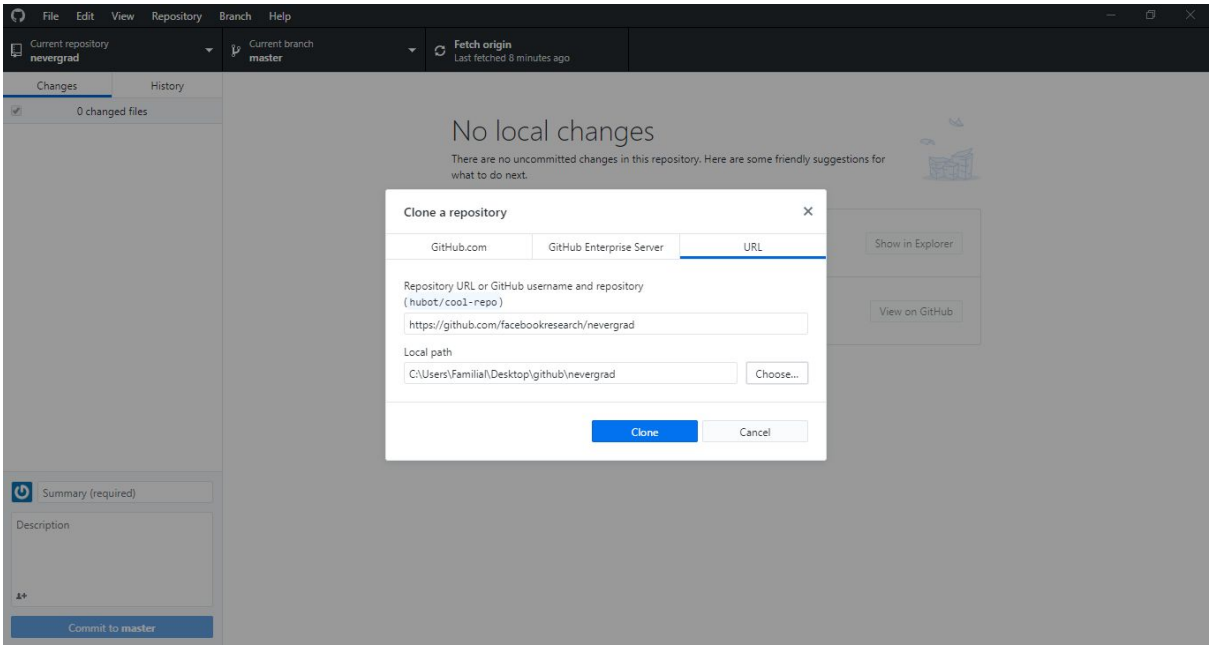


2. clone the github repository you are interested in

Launch Github Desktop (installed at the previous step), and click on “Clone Repository”:



You must specify which repository you want to work on. Here we use Nevergrad (https://github.com/facebookresearch/nevergrad) as an example:



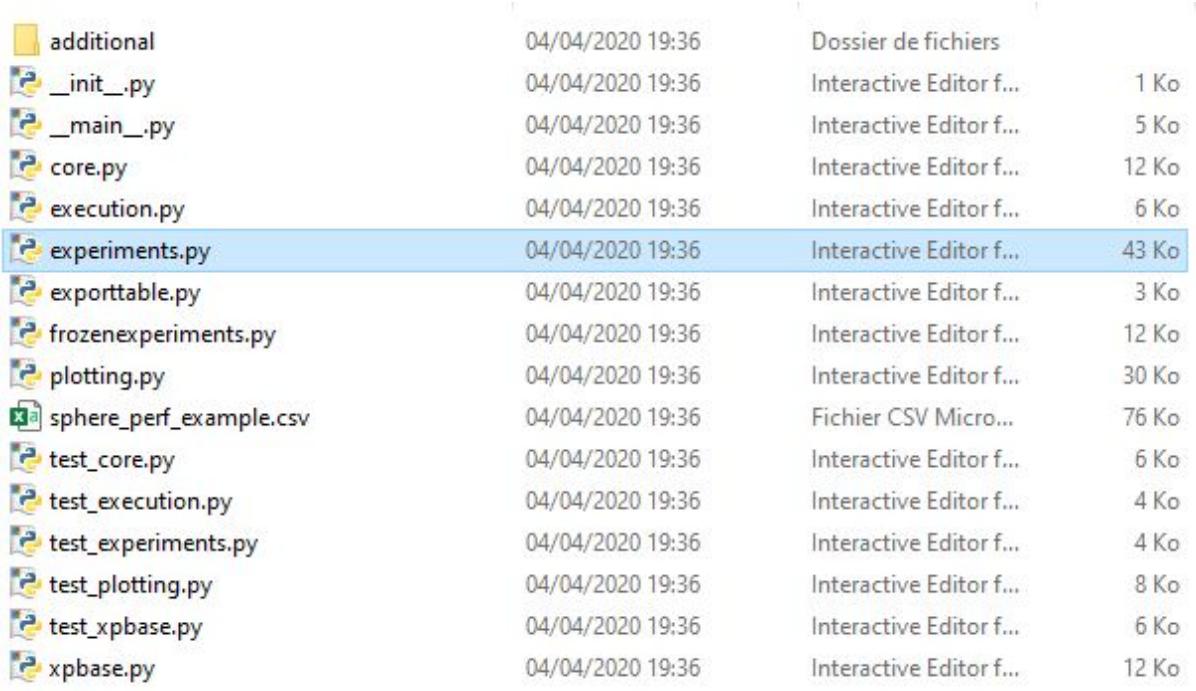
This automatically downloads the repository, you can now modify it (next step).

3. do your modification on your clone

You modify the code with the editor you want. For example, inside Github-Desktop, you can use Explorer:

For example, we go to this part of the code:

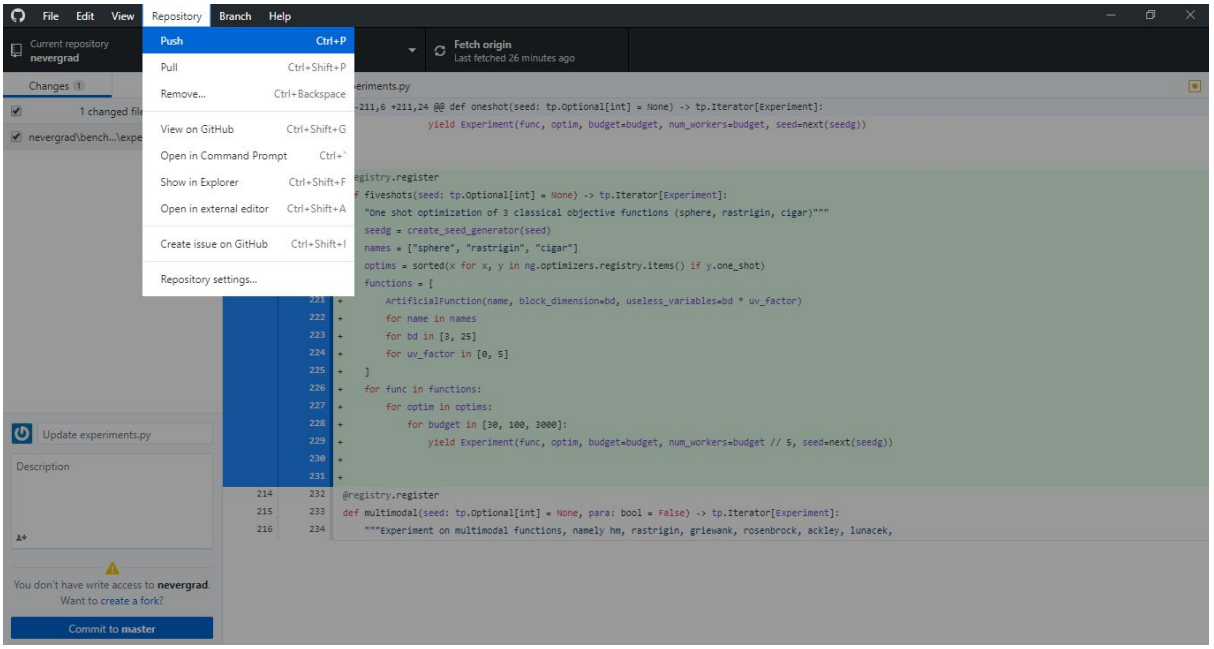
And we modify the file “experiments.py”:



4. upload your clone to your github account

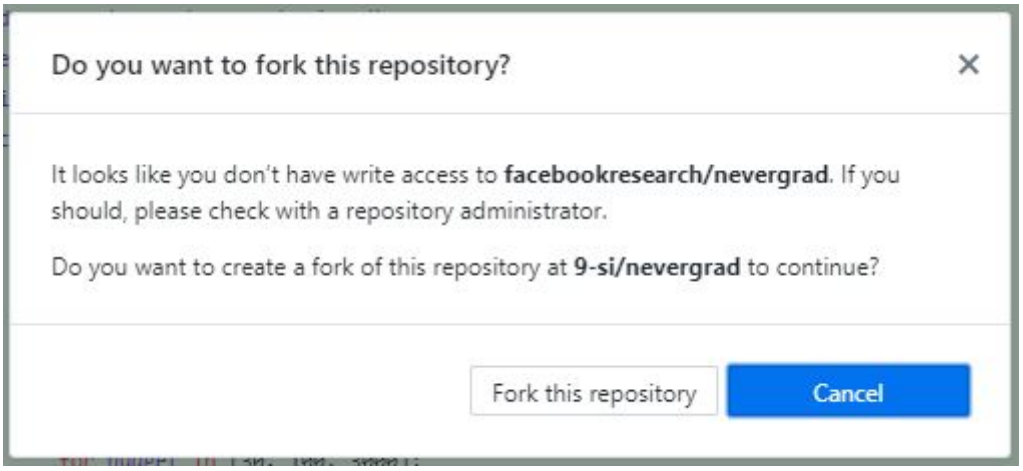
When you are done editing, you can upload your code to your github account - you can do this inside Github-Desktop.

Go to the Repository → Push menu:

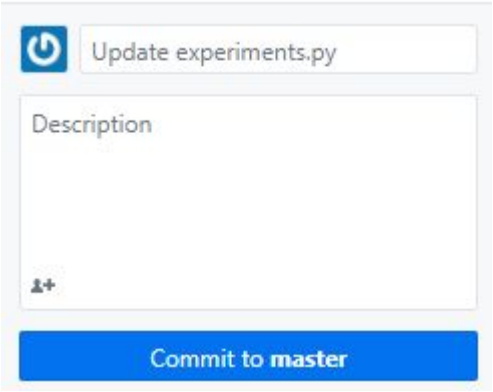


As you can not upload directly to the original repository, Github proposes to create a “fork” (a copy) of that repository on your own account. Below:

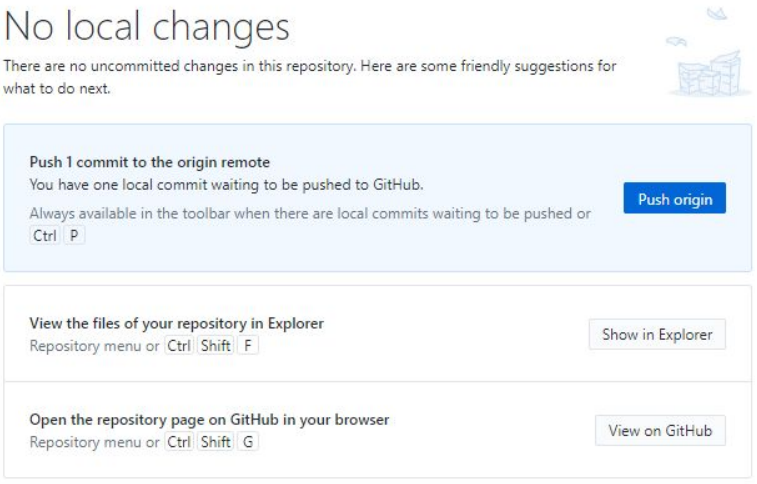
- “9-si” is your account name;
- “nevergrad” is the name of the repository
- “facebookresearch/nevergrad” is the original repository
- “9-si/nevergrad” is your copy (assuming that your account is 9-si, which is not the case, except if you are me :-)):



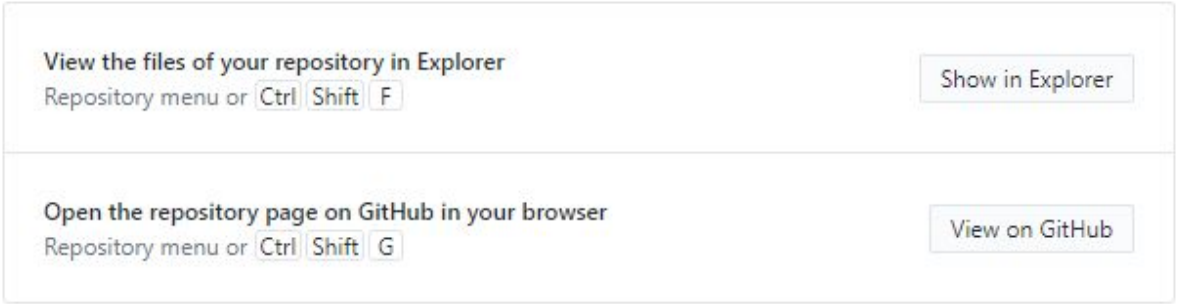
Then, Github-Desktop proposes to add a documentation message, associated to your modification:



Then it asks you to confirm (you can then click “push → origin”):



Then it proposes to view the result either locally (“show in Explorer”) or on your github account (“view on github”):



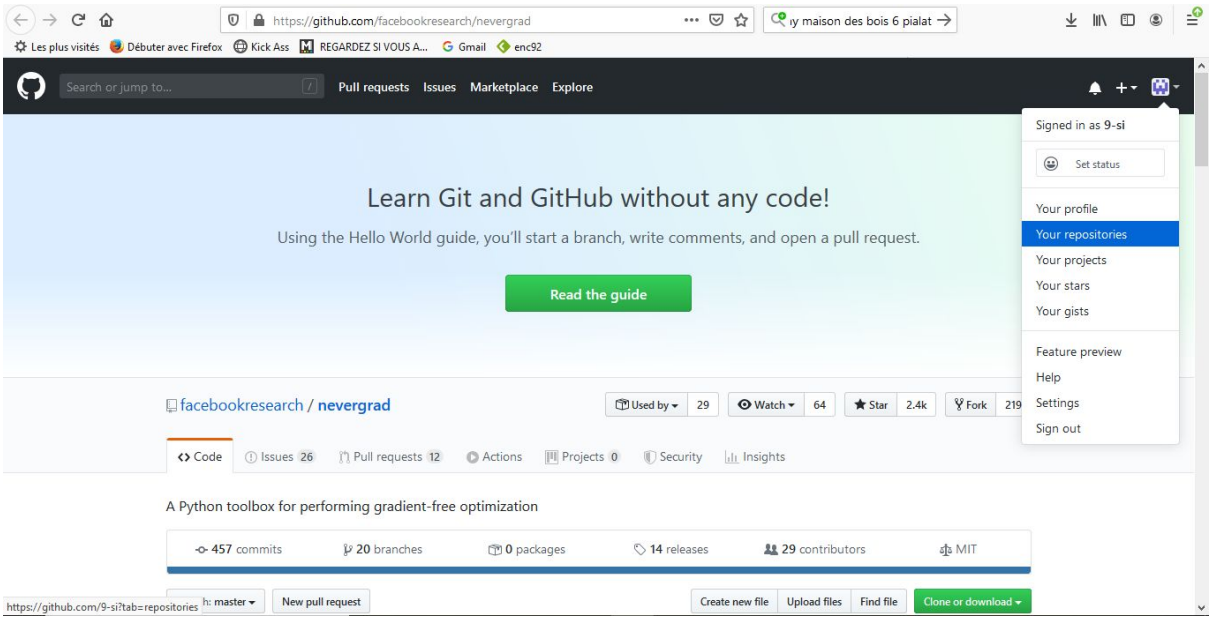
5. optional : modify the original repository by a “pull request”

For the moment we have 3 versions of the original repository:

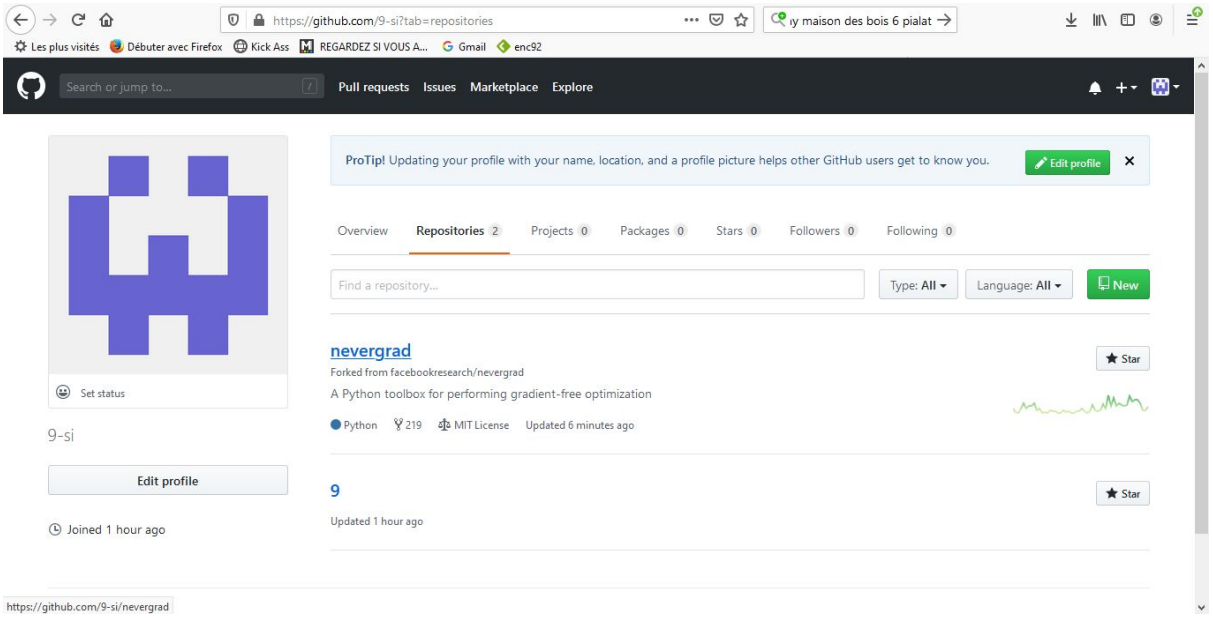
1. the original one
2. your copy on your computer (which contains your modifications)
3. the uploaded version of your copy (this is identical to 2)

You can propose to the owners of 1 to include your modification.
This means that you ask them to “pull” your modification: this is a “pull request”.

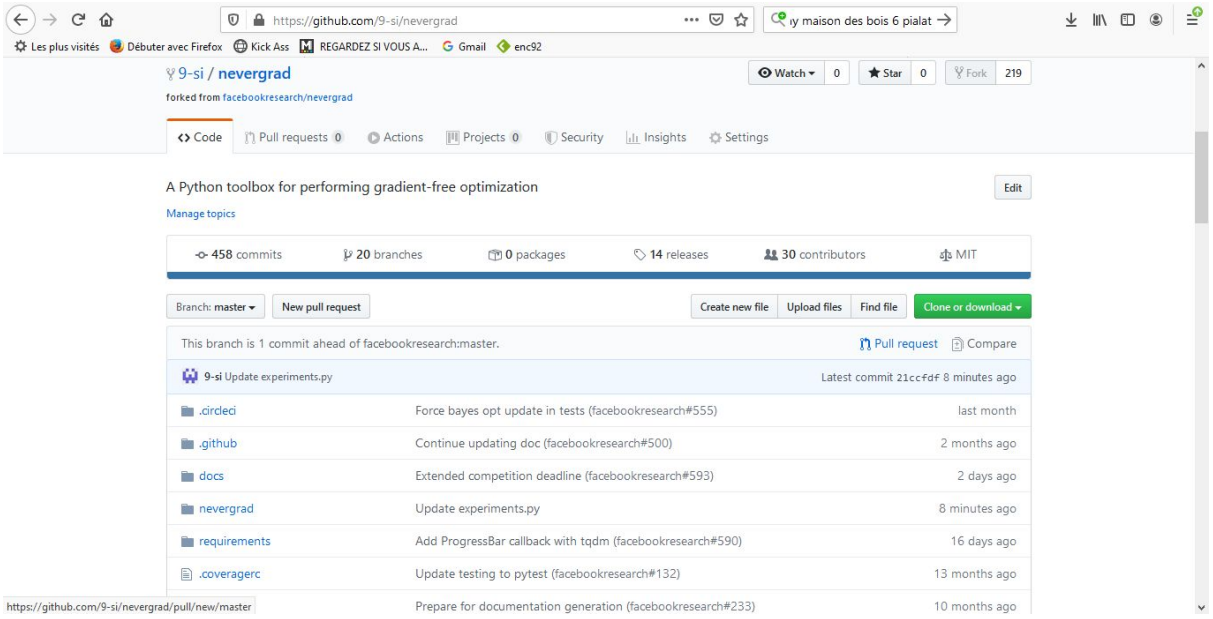
On your github account on github.com, you can view your repositories:



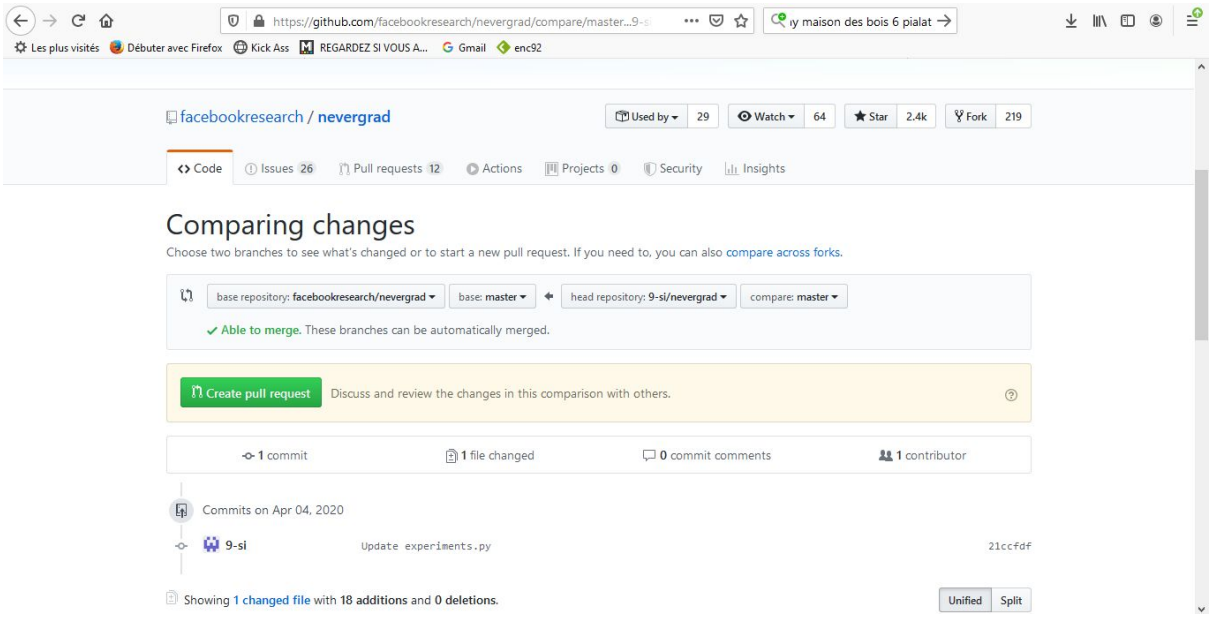
There should be the copy of the repository you are working on (here: Nevergrad):



Let us go there:

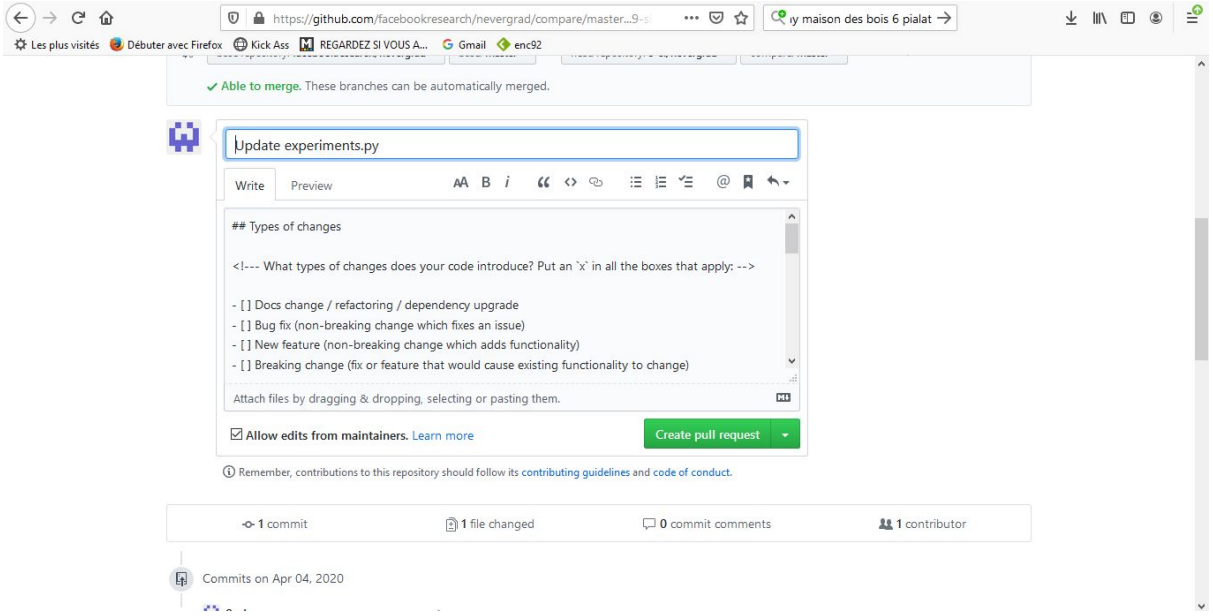


Then you can request that the owners of the original repository pull your modifications; for this, click on “new pull request”. You get a first screen comparing your code (“9-si/nevergrad”) and the original one (“facebookresearch/nevergrad”):

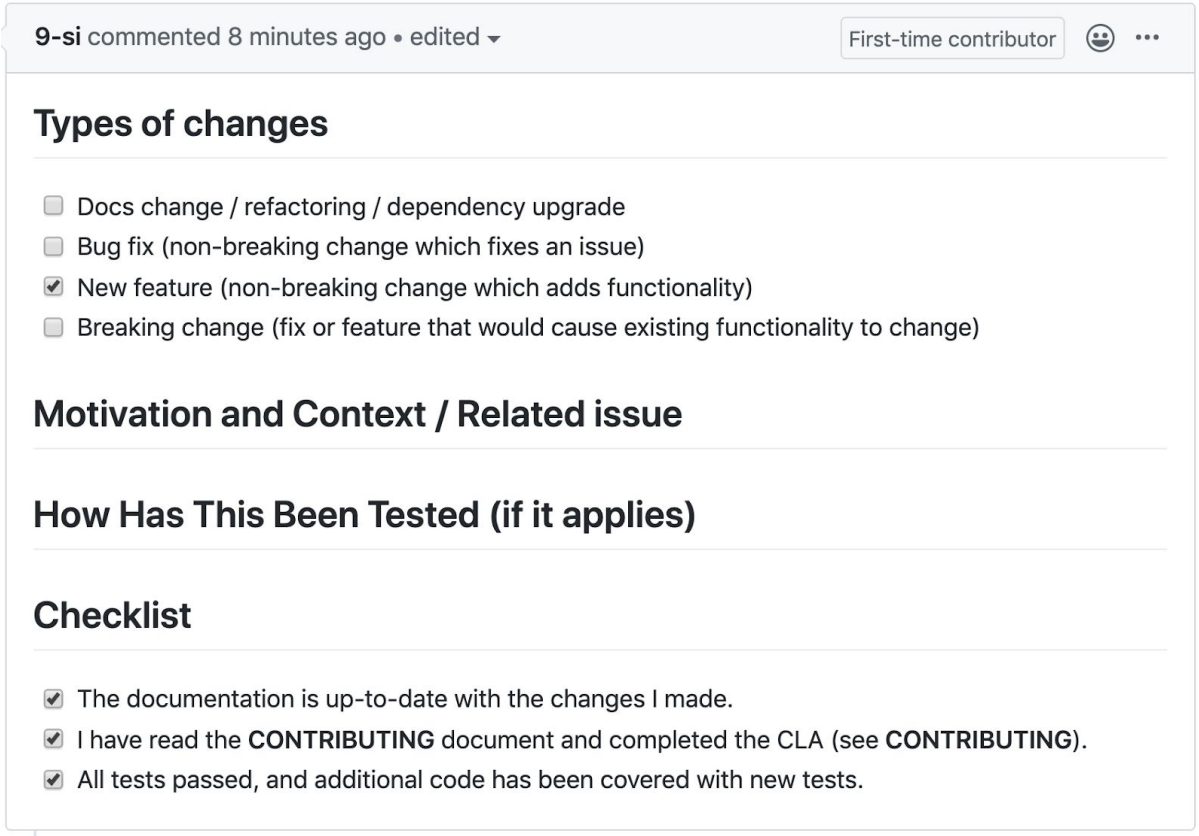


You can view various things, and then confirm by “create pull request”.

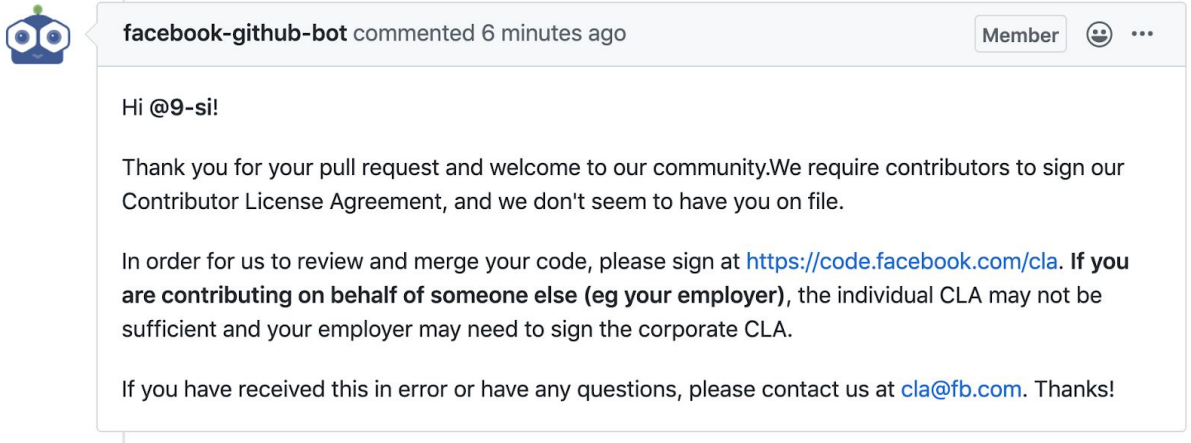
Depending on the repository, you might be asked to answer some questions and choose a description for your modification:



Below a very minimum version (shame on us, we did not write anything in the description):



When you confirm, then the pull request will be created.
Possibly, a gentle bot might ask you to confirm your agreement, through signing a CLA:



You are done!

Then the owners will accept the pull request or not, or, the most likely case, request some modifications before accepting the pull request. You are done!