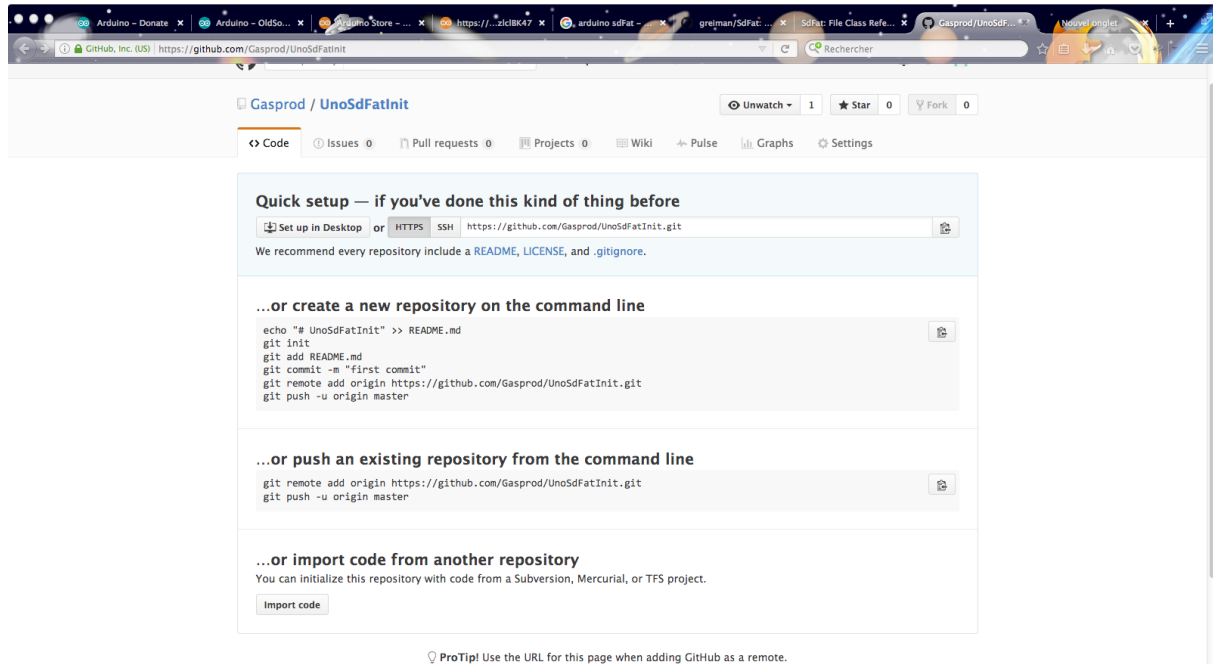
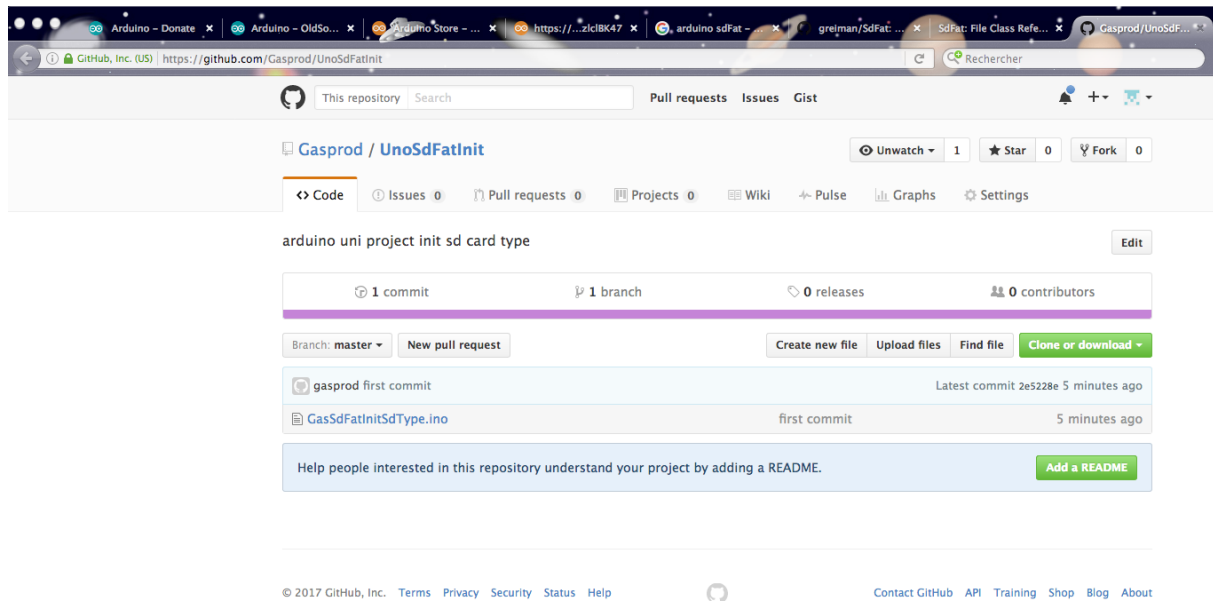


Je crée un dépôt sur GitHub pour le projet Sd Card SdFat Library Hackable magazine n°16



Je crée le fichier sur l'Ide Arduino et via son répertoire sur le Mac → git init
puis ...

```
MacBook-Pro-de-Gasprod:GasSdFatInitSdType Gasprod$ git commit -m "first commit"
[master (root-commit) 2e5228e] first commit
1 file changed, 17 insertions(+)
 create mode 100644 GasSdFatInitSdType.ino
MacBook-Pro-de-Gasprod:GasSdFatInitSdType Gasprod$ git status
On branch master
nothing to commit, working tree clean
MacBook-Pro-de-Gasprod:GasSdFatInitSdType Gasprod$ git remote add origin https://github.com/Gasprod/UnoSdFatInit.git
MacBook-Pro-de-Gasprod:GasSdFatInitSdType Gasprod$ git push -u origin master
Username for 'https://github.com': Gasprod
Password for 'https://Gasprod@github.com':
Counting objects: 3, done.
Delta compression using up to 4 threads.
Compressing objects: 100% (3/3), done.
Writing objects: 100% (3/3), 364 bytes | 0 bytes/s, done.
Total 3 (delta 0), reused 0 (delta 0)
To https://github.com/Gasprod/UnoSdFatInit.git
 * [new branch]      master -> master
Branch master set up to track remote branch master from origin.
MacBook-Pro-de-Gasprod:GasSdFatInitSdType Gasprod$
```



Je créé ce fichier dans le même répertoire dans le mac puis ...

```
MacBook-Pro-de-Gasprod:GasSdFatInitSdType Gasprod$ git add github.docx
MacBook-Pro-de-Gasprod:GasSdFatInitSdType Gasprod$ git commit -m "ajout git how to file"
[master f9ed9fb] ajout git how to file
1 file changed, 0 insertions(+), 0 deletions(-)
create mode 100644 github.docx
MacBook-Pro-de-Gasprod:GasSdFatInitSdType Gasprod$ git logg
git: 'logg' is not a git command. See 'git --help'.

Did you mean this?
    log
MacBook-Pro-de-Gasprod:GasSdFatInitSdType Gasprod$ git log
commit f9ed9fb8223ce473bcaef060f44208f569201b87
Author: gasprod <gasprod13@gmail.com>
Date: Sat Jan 7 20:46:29 2017 +0100

    ajout git how to file

commit 2e5228e8ddf2b7dca8d598daae755b000230dae1
Author: gasprod <gasprod13@gmail.com>
Date: Sat Jan 7 20:38:51 2017 +0100

    first commit
MacBook-Pro-de-Gasprod:GasSdFatInitSdType Gasprod$ git push -u origin master
Username for 'https://github.com': Gasprod
```

```

MacBook-Pro-de-Gasprod:GasSdFatInitSdType Gasprod$ git push -u origin master
Username for 'https://github.com': Gasprod
Password for 'https://Gasprod@github.com':
Counting objects: 3, done.
Delta compression using up to 4 threads.
Compressing objects: 100% (3/3), done.
Writing objects: 100% (3/3), 545.67 KiB | 0 bytes/s, done.
Total 3 (delta 0), reused 0 (delta 0)
To https://github.com/Gasprod/UnoSdFatInit.git
   2e5228e..f9ed9fb  master -> master
Branch master set up to track remote branch master from origin.
MacBook-Pro-de-Gasprod:GasSdFatInitSdType Gasprod$ git status
On branch master
Your branch is up-to-date with 'origin/master'.
nothing to commit, working tree clean
MacBook-Pro-de-Gasprod:GasSdFatInitSdType Gasprod$ █

```

déport github →

The screenshot shows the GitHub web interface for the repository 'Gasprod / UnoSdFatInit'. The repository has 1 star, 0 forks, and 0 issues. The 'Code' tab is selected, showing a list of files: 'gasprod ajout git how to file' (latest commit f9ed9fb, 5 minutes ago), 'GasSdFatInitSdType.ino' (first commit, 12 minutes ago), and 'github.docx' (ajout git how to file, 5 minutes ago). There is a button to 'Add a README'.

mise à jour du doc word ...

```

MacBook-Pro-de-Gasprod:GasSdFatInitSdType Gasprod$ git push -u origin master
Username for 'https://github.com': Gasprod
Password for 'https://Gasprod@github.com':
Branch master set up to track remote branch master from origin.
Everything up-to-date
MacBook-Pro-de-Gasprod:GasSdFatInitSdType Gasprod$ git commit -a
[master 89a806d] modified:   github.docx updated:   github.docx
1 file changed, 0 insertions(+), 0 deletions(-)
MacBook-Pro-de-Gasprod:GasSdFatInitSdType Gasprod$ git push -u origin master
Username for 'https://github.com': Gasprod
Password for 'https://Gasprod@github.com':
Counting objects: 3, done.
Delta compression using up to 4 threads.
Compressing objects: 100% (3/3), done.
Writing objects: 100% (3/3), 4.51 KiB | 0 bytes/s, done.
Total 3 (delta 1), reused 0 (delta 0)
remote: Resolving deltas: 100% (1/1), completed with 1 local objects.
To https://github.com/Gasprod/UnoSdFatInit.git
1680f3e..89a806d master -> master
Branch master set up to track remote branch master from origin.
MacBook-Pro-de-Gasprod:GasSdFatInitSdType Gasprod$

```

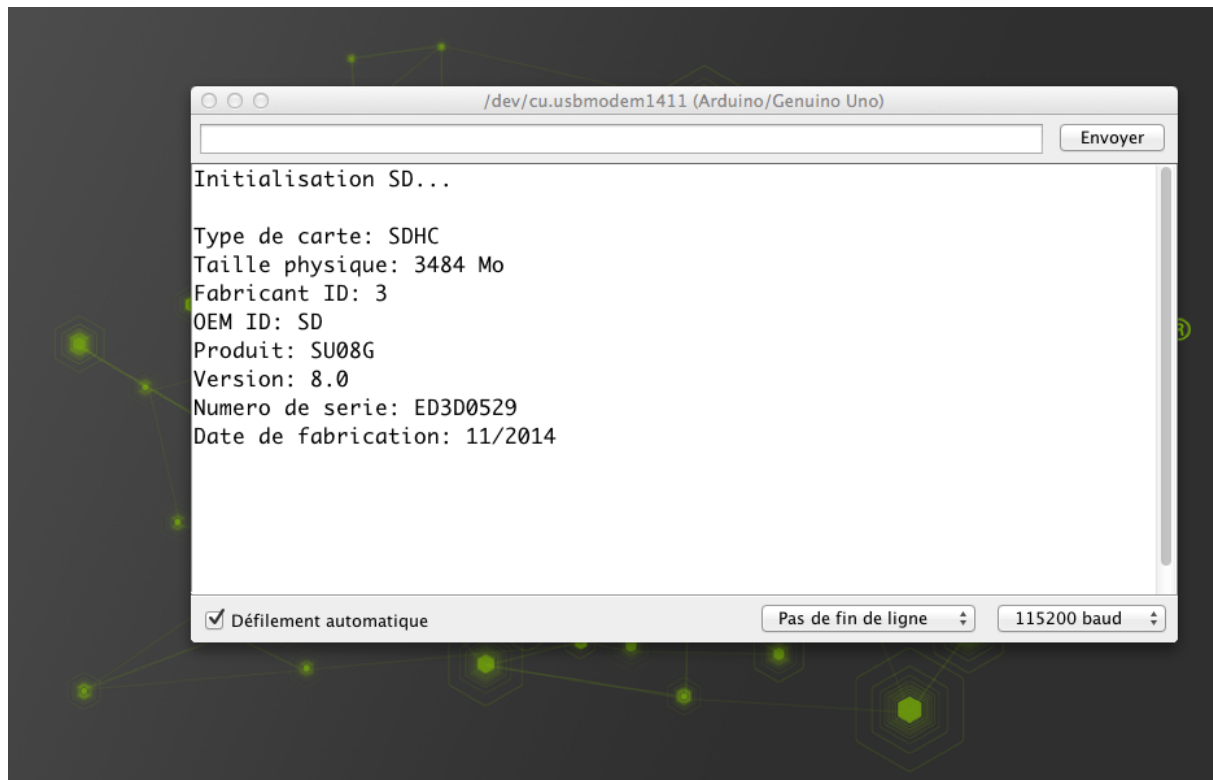
le git commit -a m'a mené vers vim ou j'ai ajouté un commentaire via 'l' pour insérer et :x pour quitter et sauver.

The screenshot shows the GitHub interface for the repository 'Gasprod / UnoSdFatInit'. The repository has 4 commits, 1 branch, 0 releases, and 0 contributors. The commit history is displayed as follows:

Commit Hash	Author	Message	Time
89a806d	gasprod	modified: github.docx	4 minutes ago
1680f3e	gasprod	first commit	25 minutes ago
1680f3e	gasprod	modified: github.docx	4 minutes ago

Below the commit history, there is a section for adding a README file to help people understand the project.

Exécution du programme →

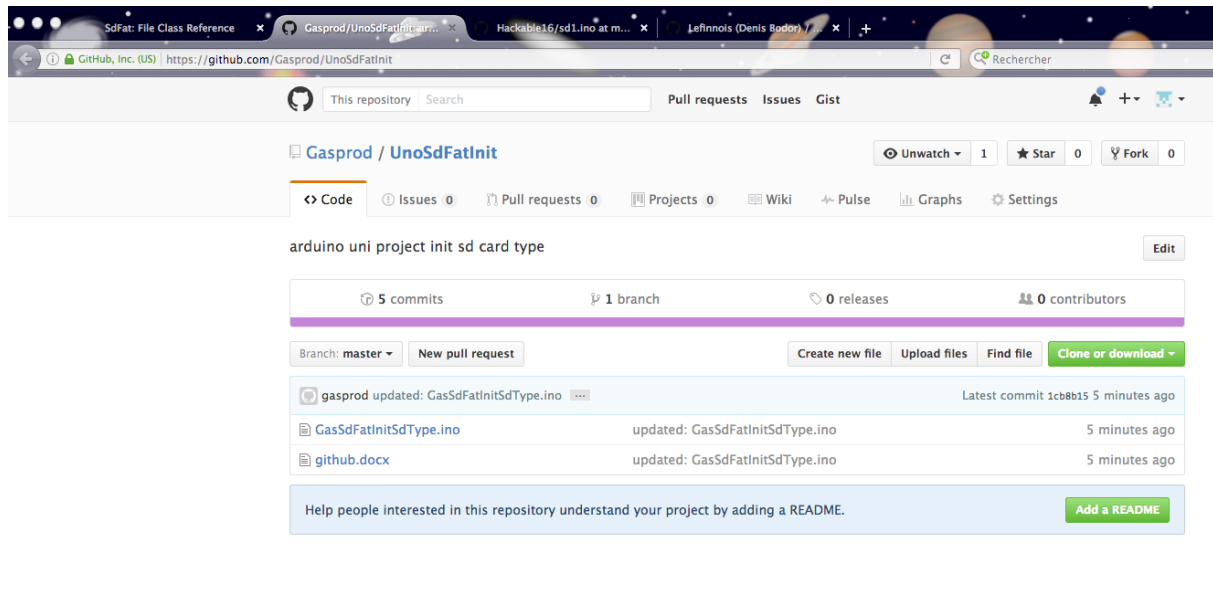


je mets le code à jour et le fichier ...

```
MacBook-Pro-de-Gasprod:GasSdFatInitSdType Gasprod$ git status
On branch master
Your branch is up-to-date with 'origin/master'.
Changes not staged for commit:
  (use "git add <file>..." to update what will be committed)
  (use "git checkout -- <file>..." to discard changes in working directory)

        modified:   GasSdFatInitSdType.ino
        modified:   github.docx

no changes added to commit (use "git add" and/or "git commit -a")
MacBook-Pro-de-Gasprod:GasSdFatInitSdType Gasprod$ git commit -a
[master 1cb8b15] updated: GasSdFatInitSdType.ino updated: github.docx
2 files changed, 83 insertions(+), 17 deletions(-)
rewrite GasSdFatInitSdType.ino (79%)
MacBook-Pro-de-Gasprod:GasSdFatInitSdType Gasprod$ git push -u origin master
Username for 'https://github.com': Gasprod
Password for 'https://Gasprod@github.com':
Counting objects: 4, done.
Delta compression using up to 4 threads.
Compressing objects: 100% (4/4), done.
Writing objects: 100% (4/4), 503.51 KiB | 0 bytes/s, done.
Total 4 (delta 1), reused 0 (delta 0)
remote: Resolving deltas: 100% (1/1), completed with 1 local objects.
To https://github.com/Gasprod/UnoSdFatInit.git
```



je vais tout mettre à jour et ajouter un pdf de ce document.

```
MacBook-Pro-de-Gasprod:GasSdFatInitSdType Gasprod$ git status
On branch master
Your branch is up-to-date with 'origin/master'.
Changes not staged for commit:
  (use "git add <file>..." to update what will be committed)
  (use "git checkout -- <file>..." to discard changes in working directory)

        modified:   github.docx

Untracked files:
  (use "git add <file>..." to include in what will be committed)

        github_howto.pdf

no changes added to commit (use "git add" and/or "git commit -a")
MacBook-Pro-de-Gasprod:GasSdFatInitSdType Gasprod$ git commit -a
[master ba17e60] updated avec le code executé:  github.docx nouveau fichier:  git
hub_howto.pdf
 1 file changed, 0 insertions(+), 0 deletions(-)
MacBook-Pro-de-Gasprod:GasSdFatInitSdType Gasprod$ git push -u origin master
Username for 'https://github.com': Gasprod
Password for 'https://Gasprod@github.com':
Counting objects: 3, done.
Delta compression using up to 4 threads.
Compressing objects: 100% (3/3), done.
```

```

GasSdFatInitSdType — less — 83x26
Writing objects: 100% (3/3), 206.70 KiB | 0 bytes/s, done.
Total 3 (delta 1), reused 0 (delta 0)
remote: Resolving deltas: 100% (1/1), completed with 1 local objects.
To https://github.com/Gasprod/UnoSdFatInit.git
 1cb8b15..ba17e60  master -> master
Branch master set up to track remote branch master from origin.
MacBook-Pro-de-Gasprod:GasSdFatInitSdType Gasprod$ ls
GasSdFatInitSdType.ino  github.docx          github_howto.pdf
MacBook-Pro-de-Gasprod:GasSdFatInitSdType Gasprod$ git add github_howto.pdf
MacBook-Pro-de-Gasprod:GasSdFatInitSdType Gasprod$ git status
On branch master
Your branch is up-to-date with 'origin/master'.
Changes to be committed:
  (use "git reset HEAD <file>..." to unstage)

    new file:   github_howto.pdf

MacBook-Pro-de-Gasprod:GasSdFatInitSdType Gasprod$ git commit -a
[master 2b8721c] new file:   github_howto.pdf
 1 file changed, 0 insertions(+), 0 deletions(-)
 create mode 100644 github_howto.pdf
MacBook-Pro-de-Gasprod:GasSdFatInitSdType Gasprod$ git commit -a
On branch master
Your branch is ahead of 'origin/master' by 1 commit.
  (use "git push" to publish your local commits)
nothing to commit, working tree clean

```

```

GasSdFatInitSdType — less — 83x26
nothing to commit, working tree clean
MacBook-Pro-de-Gasprod:GasSdFatInitSdType Gasprod$ git push -u origin master
Username for 'https://github.com': Gasprod
Password for 'https://Gasprod@github.com':
Counting objects: 3, done.
Delta compression using up to 4 threads.
Compressing objects: 100% (3/3), done.
Writing objects: 100% (3/3), 1.50 MiB | 251.00 KiB/s, done.
Total 3 (delta 0), reused 0 (delta 0)
To https://github.com/Gasprod/UnoSdFatInit.git
 ba17e60..2b8721c  master -> master
Branch master set up to track remote branch master from origin.
MacBook-Pro-de-Gasprod:GasSdFatInitSdType Gasprod$ git log
commit 2b8721cd2cfae9718e925895176b259a475f154d
Author: gasprod <gasprod13@gmail.com>
Date:   Sat Jan 7 21:30:55 2017 +0100

    new file:   github_howto.pdf

commit ba17e60e0d7556b79bab4a28312bf84980be9c91
Author: gasprod <gasprod13@gmail.com>
Date:   Sat Jan 7 21:28:48 2017 +0100

    updated avec le code executé:   github.docx
    nouveau fichier:                github_howto.pdf

```

```
GasSdFatInitSdType -- less -- 83x26
Branch master set up to track remote branch master from origin.
MacBook-Pro-de-Gasprod:GasSdFatInitSdType Gasprod$ git log
commit 2b8721cd2cfae9718e925895176b259a475f154d
Author: gasprod <gasprod13@gmail.com>
Date: Sat Jan 7 21:30:55 2017 +0100

    new file:   github_howto.pdf

commit ba17e60e0d7556b79bab4a28312bf84980be9c91
Author: gasprod <gasprod13@gmail.com>
Date: Sat Jan 7 21:28:48 2017 +0100

    updated avec le code executed:   github.docx
    nouveau fichier:                  github_howto.pdf

commit 1cb8b154d6d8622cefeaec07ca134e88ae780602
Author: gasprod <gasprod13@gmail.com>
Date: Sat Jan 7 21:21:11 2017 +0100

    updated:    GasSdFatInitSdType.ino
    updated:    github.docx

commit 89a806df5ad2e2321f0f81be12573793cb23cafe
Author: gasprod <gasprod13@gmail.com>
Date: Sat Jan 7 20:59:55 2017 +0100
```

```
GasSdFatInitSdType -- less -- 83x26
commit 89a806df5ad2e2321f0f81be12573793cb23cafe
Author: gasprod <gasprod13@gmail.com>
Date: Sat Jan 7 20:59:55 2017 +0100

    modified:   github.docx
    updated:    github.docx

commit 1680f3eeecc2028cd1e49696d8676a3b250bbf24
Author: gasprod <gasprod13@gmail.com>
Date: Sat Jan 7 20:54:01 2017 +0100

    :i
    :a

commit f9ed9fb8223ce473bcaef060f44208f569201b87
Author: gasprod <gasprod13@gmail.com>
Date: Sat Jan 7 20:46:29 2017 +0100

    ajout git how to file

commit 2e5228e8ddf2b7dca8d598daae755b000230dae1
Author: gasprod <gasprod13@gmail.com>
Date: Sat Jan 7 20:38:51 2017 +0100

    first commit
(END)
```