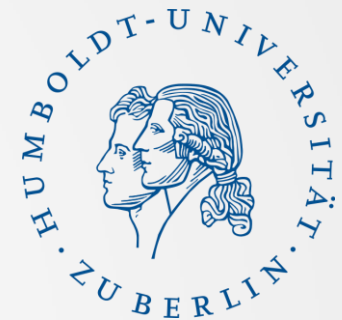# Github
Quick Introduction

Petra Burdejova

Franziska Schulz
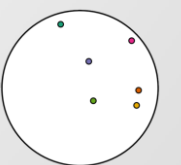
Ladislaus von Bortkiewicz Chair of Statistics
Humboldt-Universität zu Berlin
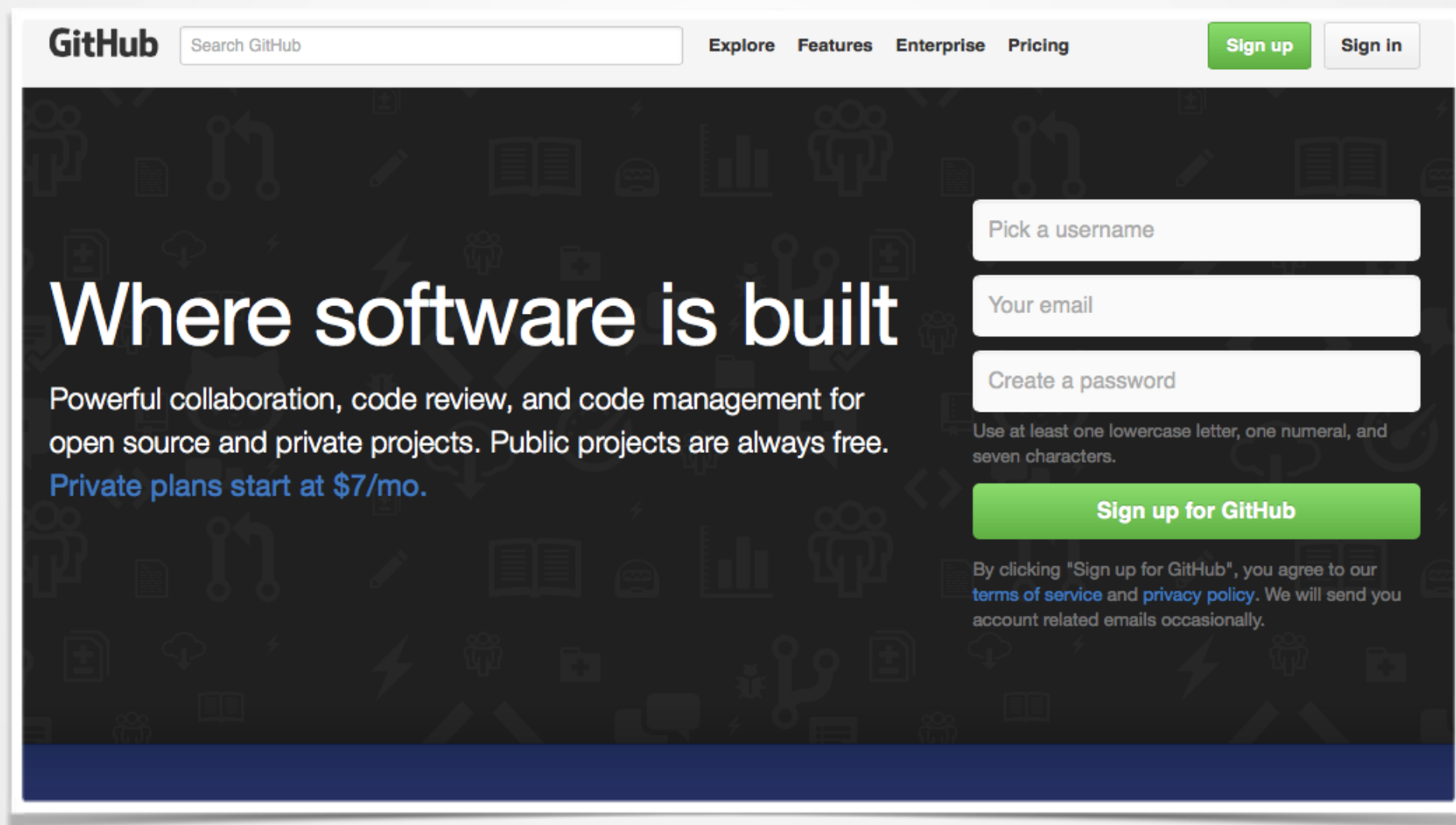lvb.wiwi.hu-berlin.de

Outline

1. Create account / Sign in

2. Apply for student discount

3. Create Private Repository

4. Upload your documents

5. Invite teacher as collaborator

Create Github account

https://github.com

use (if possible) HU-email address

Student discount
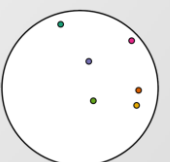
https://education.github.com/discount_requests/new

- apply for student discount

- use HU-email address

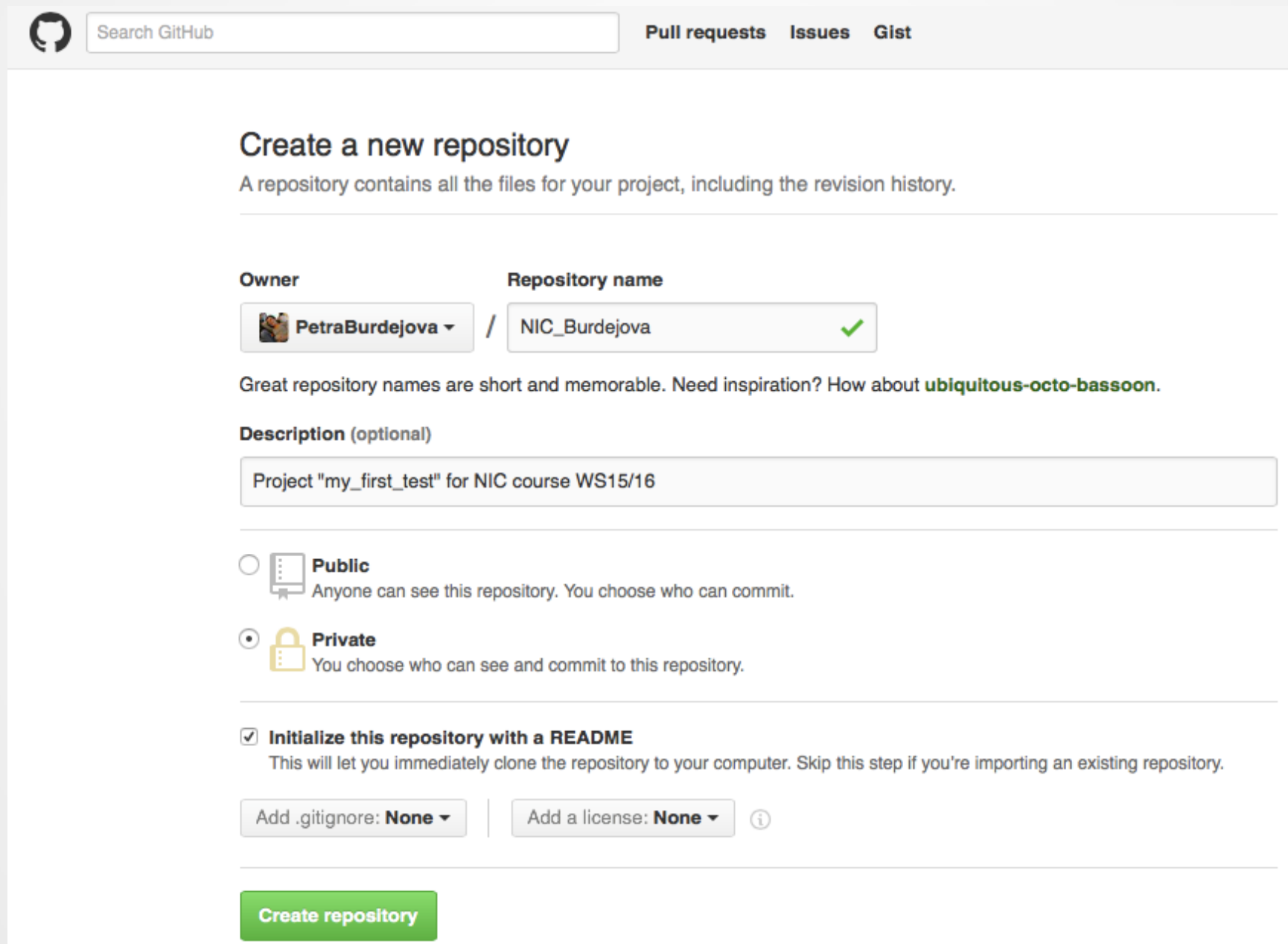- (confirmation should be sent within a few minutes)

Private repository

- create new (private if you want) repository
- mark "Initialize this repository with a README"

Private repository

- create new (private if you want) repository

- mark "Initialize this repository with a README"
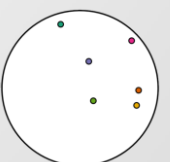
Upload files
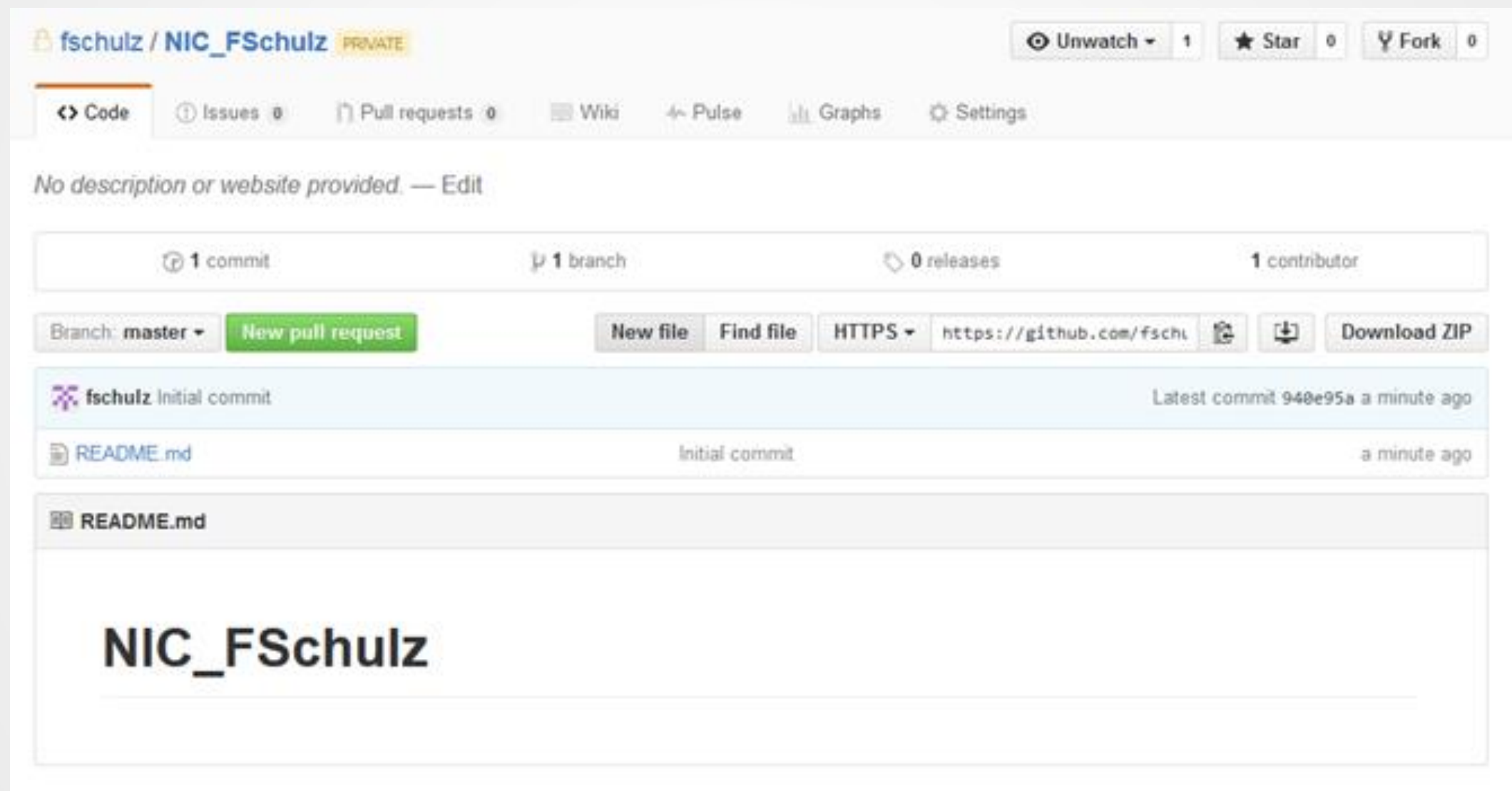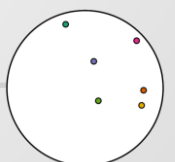
There are several possibilities how to upload the code:

I.   Directly (copy the code)

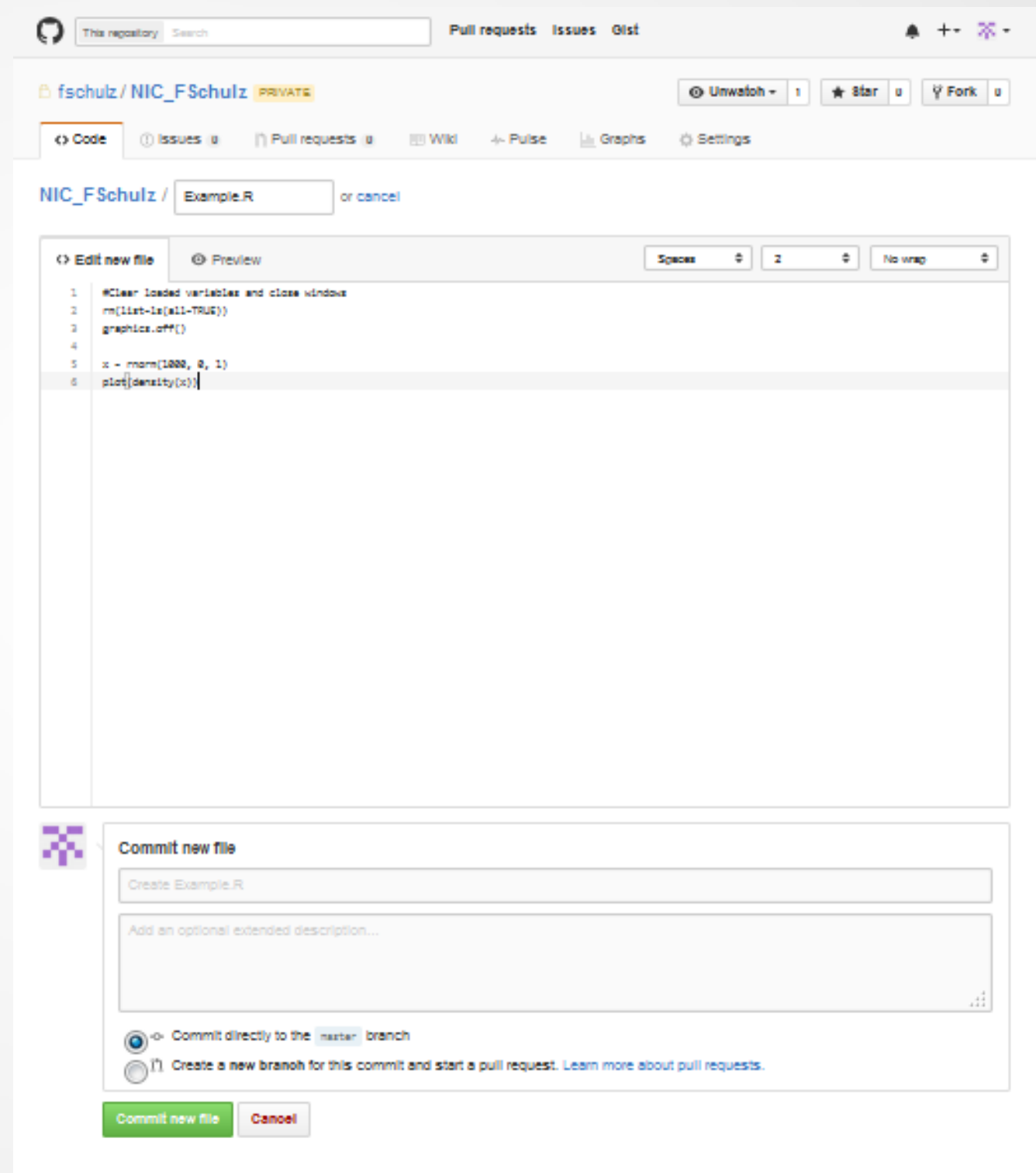II. Use the Source tree

III. Use the Github Desktop

I. Upload files - Directly

◉ Choose „New file"

I. Upload files - Directly

- Give it a name

- Paste your content

- Press „Commit new file"

I. Upload files - Directly

◉ There it is:

II. Upload files - via Source tree

Download Sourcetree app

https://www.atlassian.com/software/sourcetree/overview/

or

https://itunes.apple.com/de/app/sourcetree-git-hg/id411678673?mt=12

or

http://www.macupdate.com/app/mac/35643/sourcetree
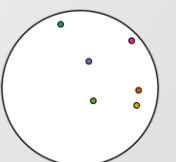
II. Upload files - via Source tree

- Open application
- Click *"+ New repository"*
- Select *"Clone from URL"*

- Copy the URL
   of your repository
- Choose the folder in your PC
- Click *"Clone"*

II. Upload files - via Source tree

- If you or your collaborators already uploaded some files into the repository, you will see them in your PC now
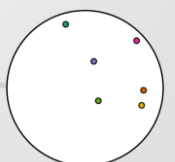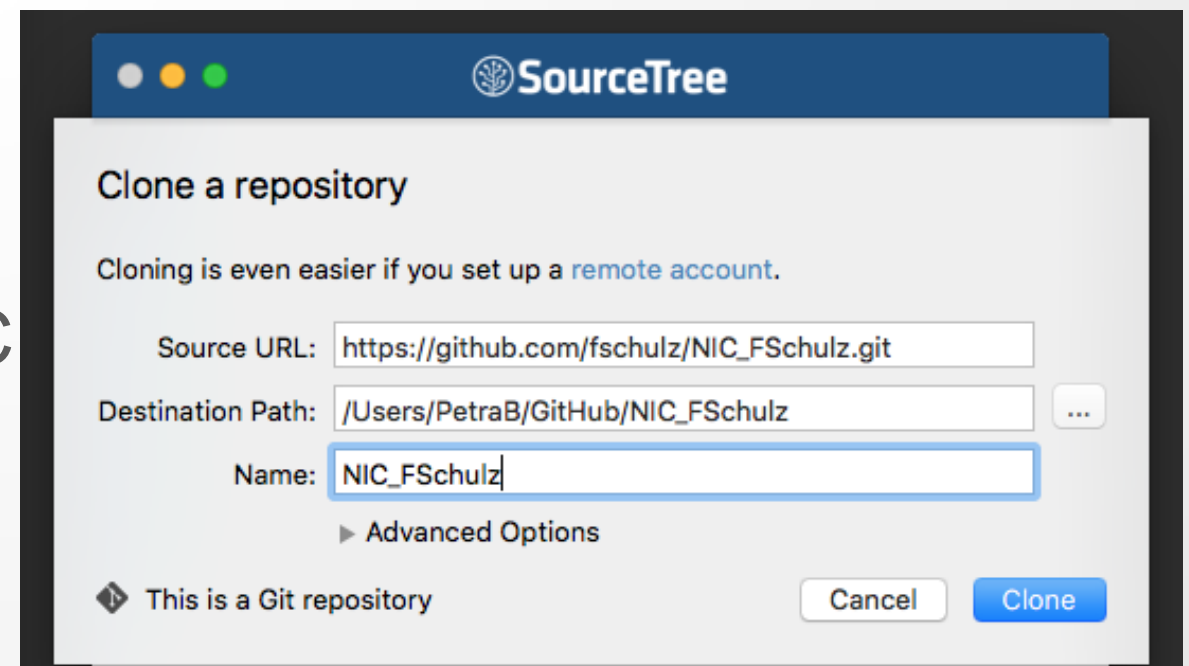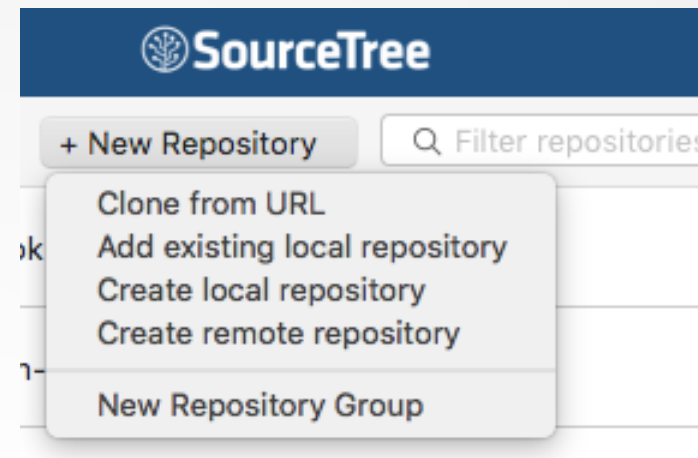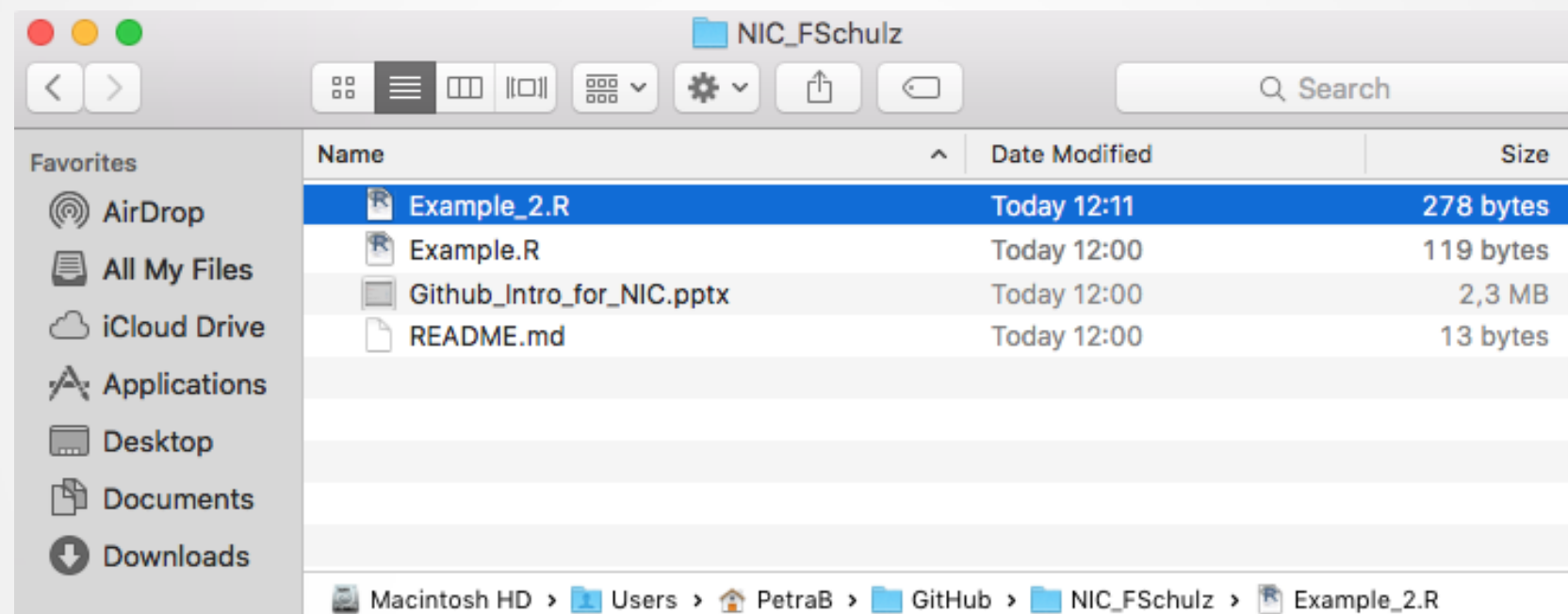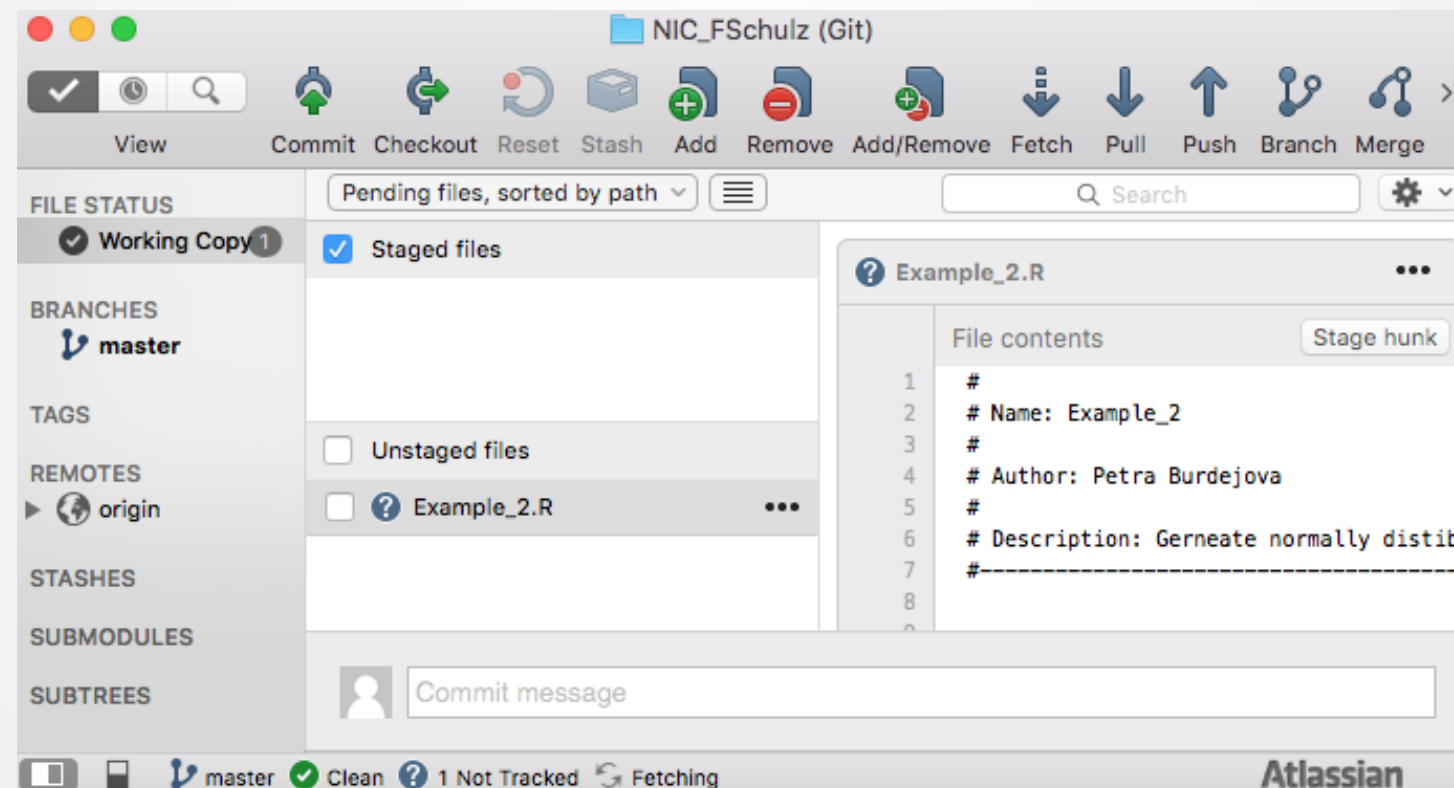

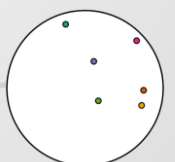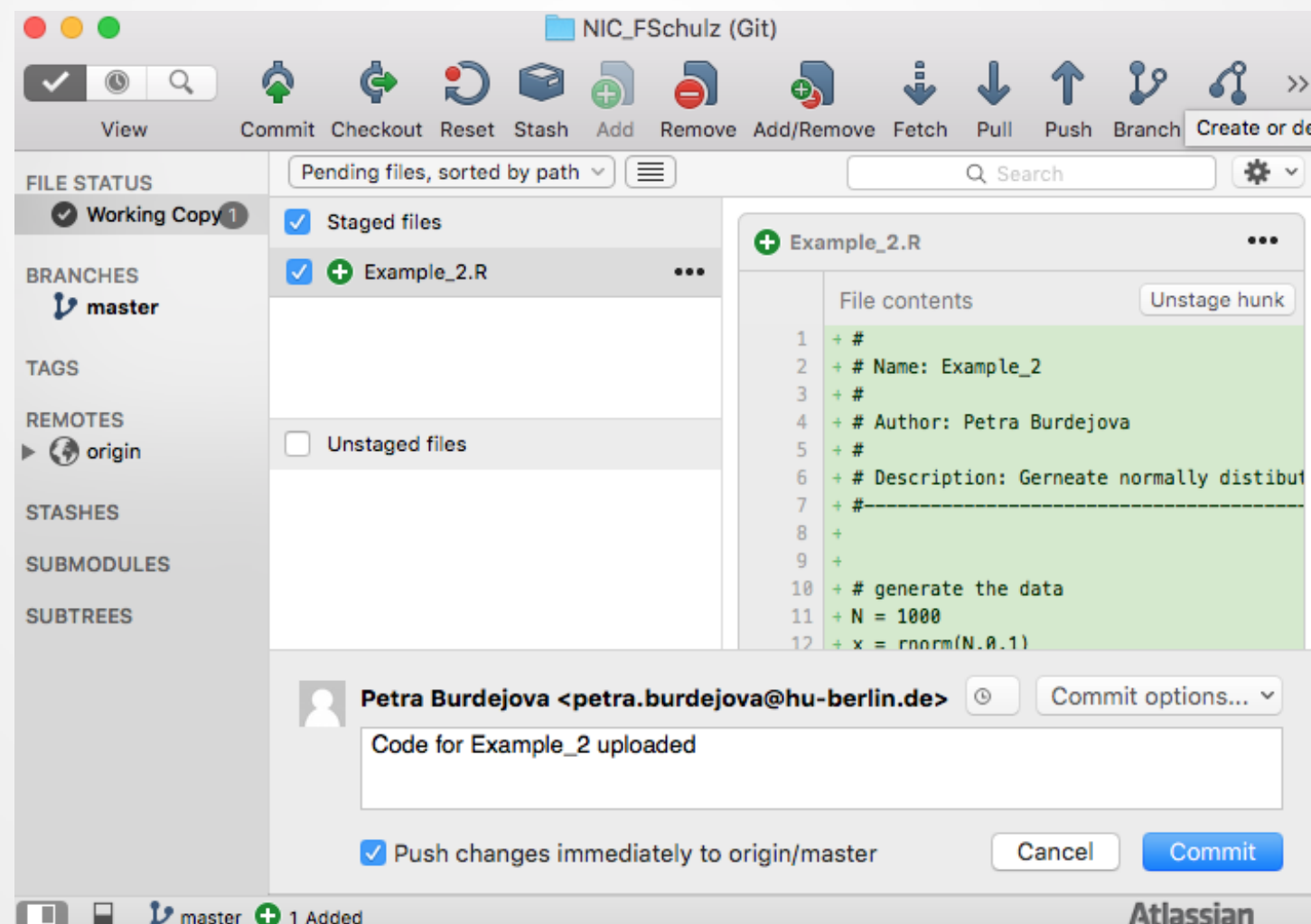- Drag&Drop the files you want to upload into this folder

II. Upload files - via Source tree

- If you look into Sourcetree now:

  The file you added is there – as unstaged file

II. Upload files - via Source tree

- Choose your files
- You can also write a comment to explain the changes you made
- Mark "*Push changes immediately to origin/master*"
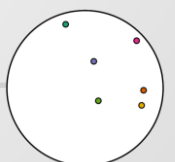- And press "*Commit*"

II. Upload files - via Source tree

- Your file is there. Other collaborators will see it and can edit it.
- Any change you make in your folder now,
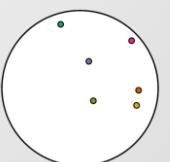 can be just pushed to github via sourcetree.

III. Upload files - via Github Desktop

- Download Github Desktop from
  https://desktop.github.com/
- Open Github Desktop
- Choose „create, clone or add new repository" (+)
- Select „Clone"
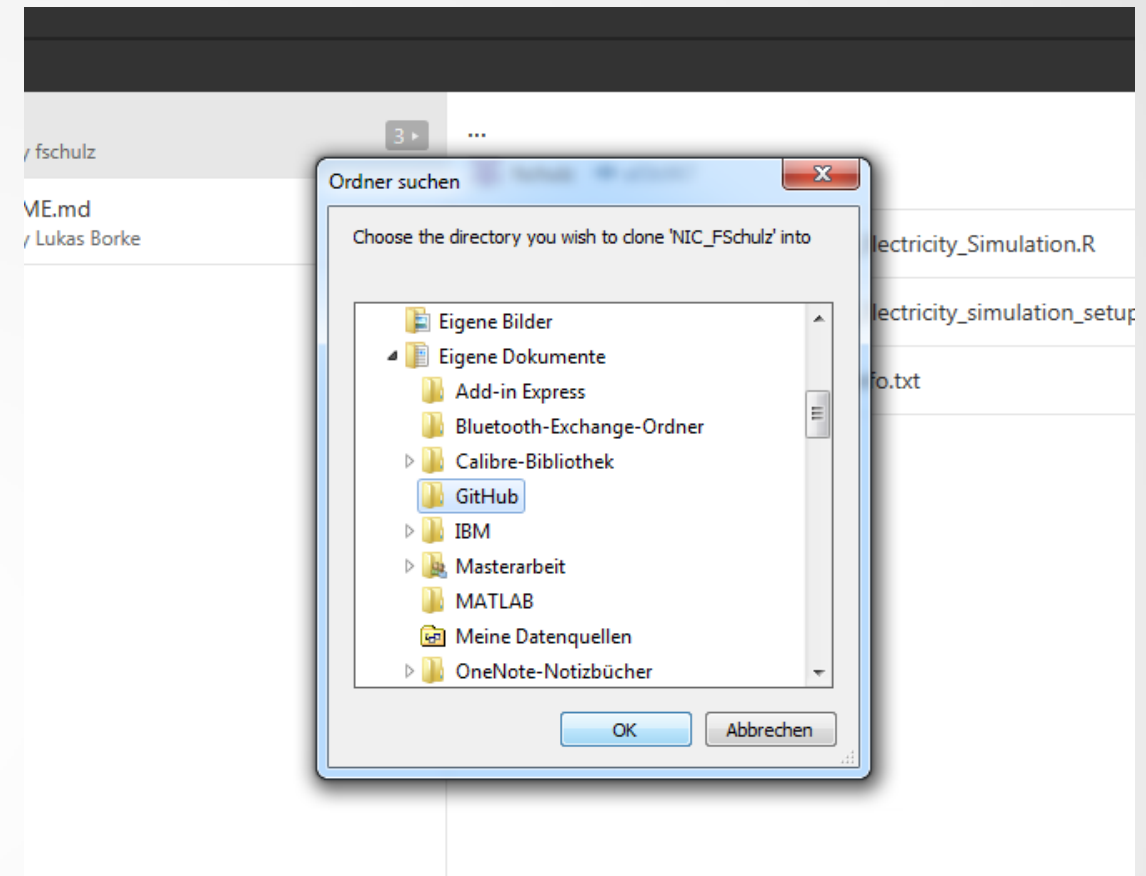- Select your repository
- Press Clone <repository name>

III. Upload files - via Github Desktop
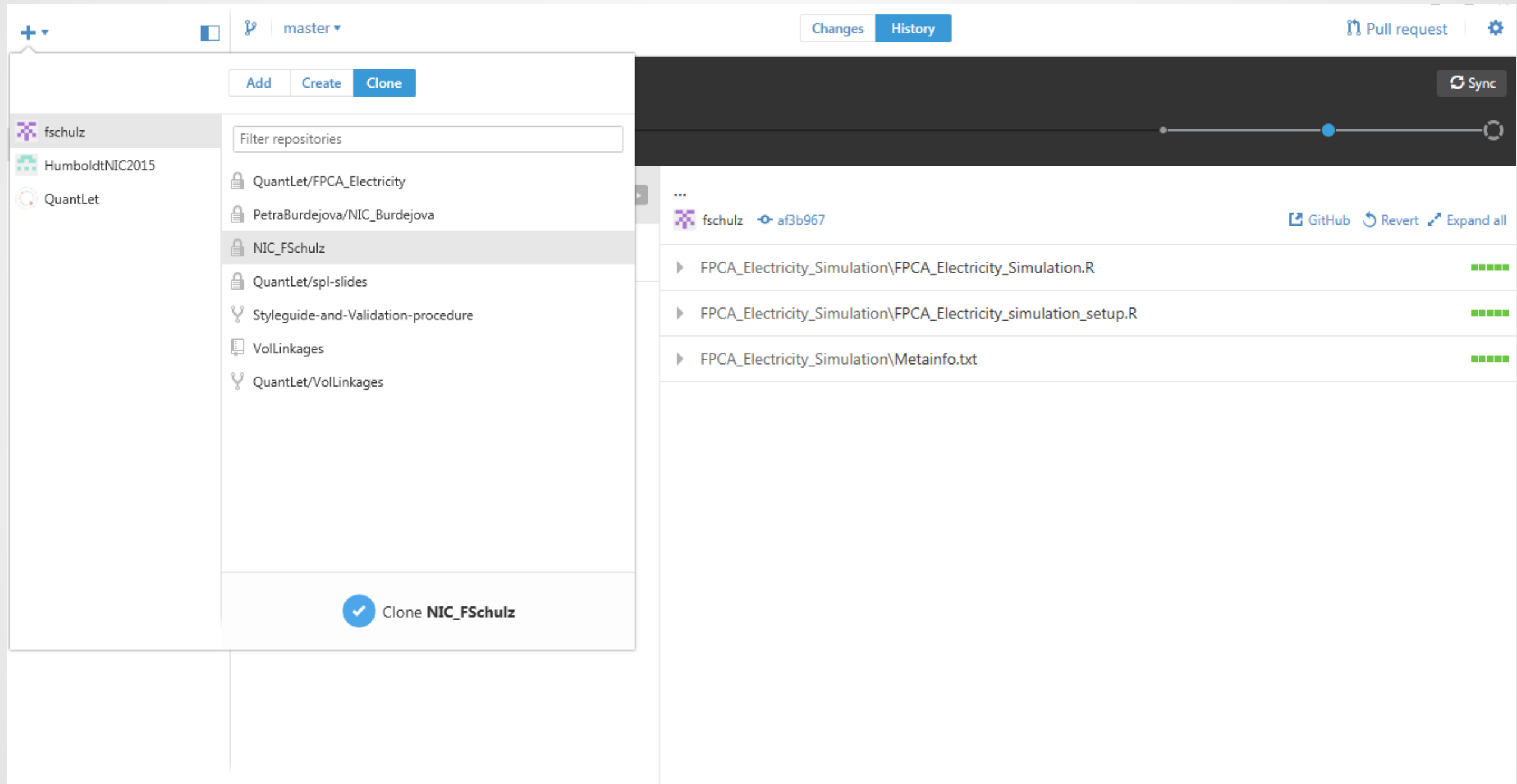
III. Upload files - via Github Desktop

- Choose a directory where you whish to clone your repository to. (You may wish to create a folder where you can store all your Github repositories)

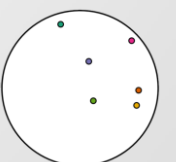- Now, you can open the corresponding folder:

No local changes
Would you like to open this repository in Explorer?
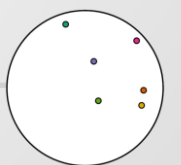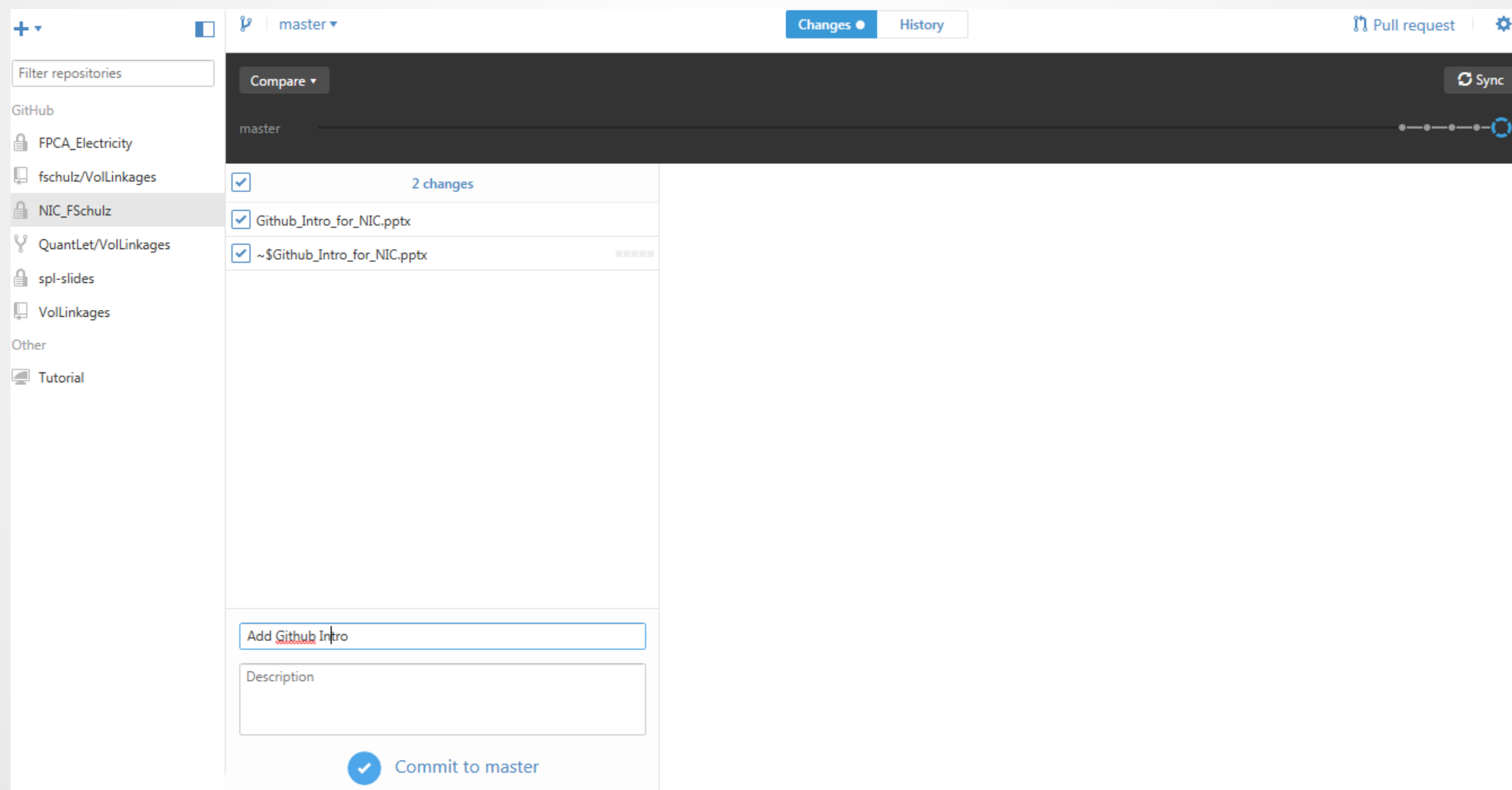
III. Upload files - via Github Desktop

- You can now add anything to this folder

III. Upload files - via Github Desktop

- In order to upload it to Github, you need to add a summary about your changes
- Press "Commit to master"
- Press "Sync" to synchronize your local repository with the master

III. Upload files - via Github Desktop

- It will now appear in your online Github repository

Invite teacher

◉ add us ("fschulz", "ebommes" and "schultkr") as collaborators