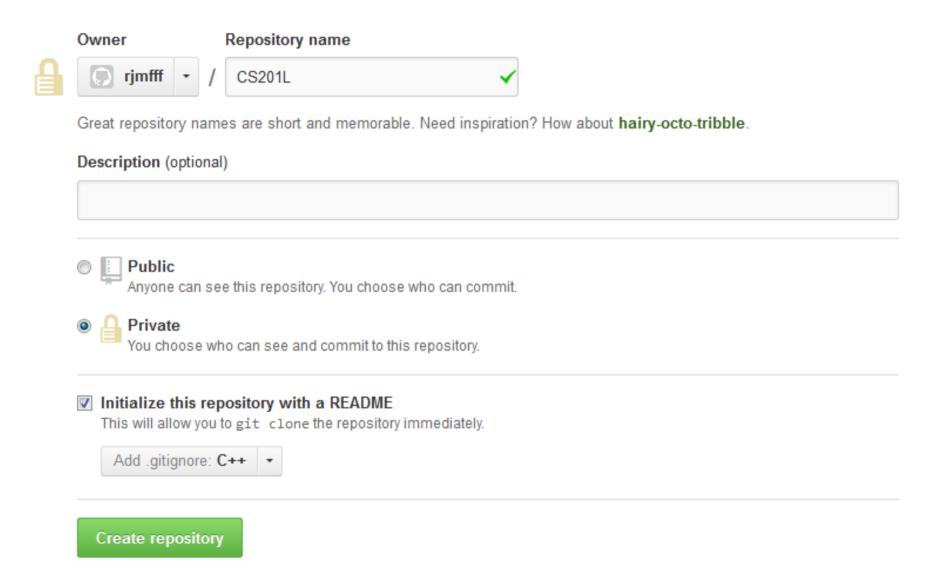
Using Git With GitHub for Windows or Mac (This is for if you're not using the lab machines)

- Creating a new Project Repository
- Sharing the Repository with the instructor(s)
- Downloading Repository from server to harddrive
- Adding new files
- Creating a commit
- Pushing to/Syncing with the server
- Pulling new changes

• From https://github.com/, scroll down until you see the green New repository button under the Your repositories section. Click the button.



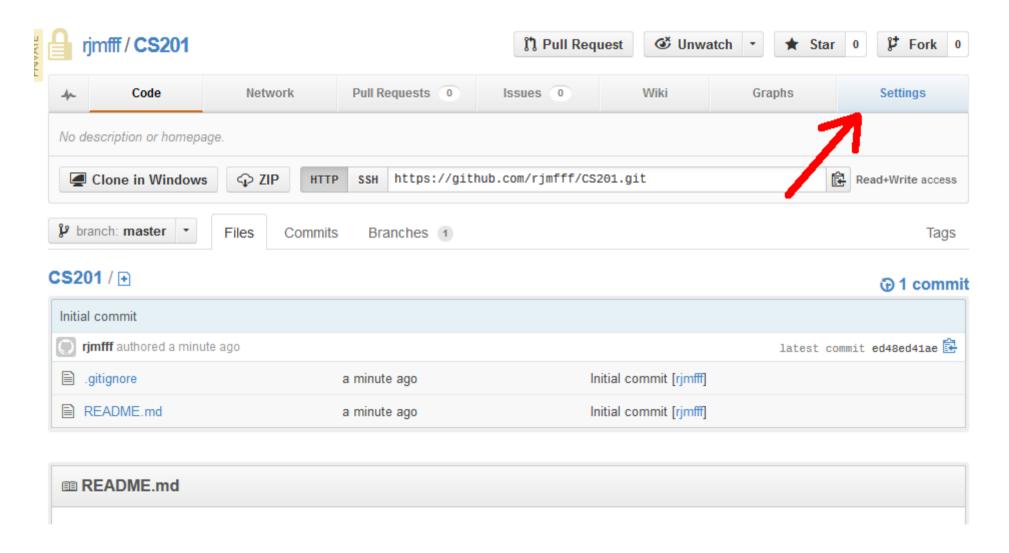
- On the <u>Create a New Repository</u> page, fill out the following:
 - Repository Name: CS201
 - Description: Optional
 - Select Private radio button
 - If it asks for a credit card, you haven't been activated as a student account yet. See week 1 slides
 - Check Initialize this repository with a README
 - From the dropdown box, select C++ as the language



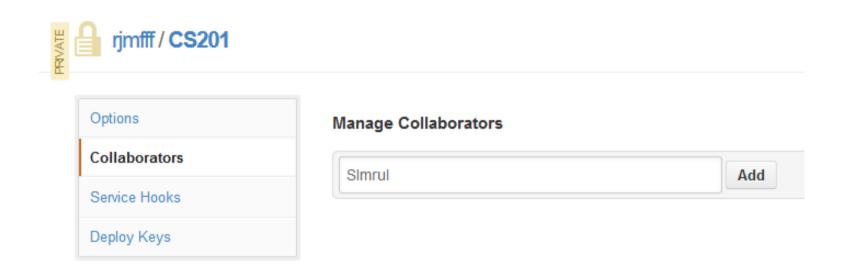
- You will need to create an additional repository if you're in the CS 201 Lab.
 - CS 201
 - CS 201 L

- For CS 201, you will need to share your repository with Rachel.
- For CS 201 L, you will need to share your repository with Imrul and Rachel.

 From your Repository website, https://github.com/YOUR_USERNAME/CS201 Click on the <u>Settings</u> button.

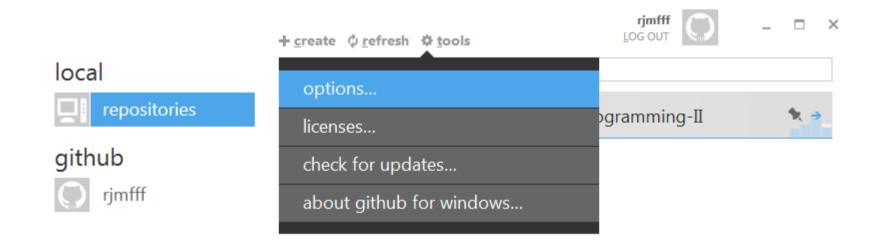


- From the Settings page, click on the <u>Collaborators</u> tab.
- In the Collaborators tab, enter our IDs:
 - RJMFFF for Rachel (CS 201 and CS 201 L)
 - Simrul for Imrul
 - Usernames are not case-sensitive
- Click on the <u>Add</u> button.



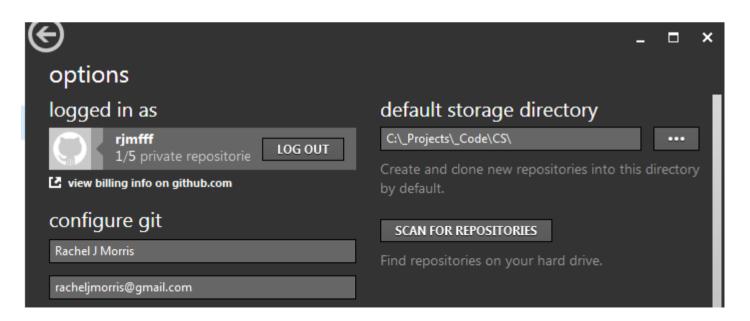
3. Setting up GitHub for Windows/Mac

- Install GitHub for Windows/Mac and log into the client.
- From the main page, click on the tools button and select options....



3. Setting up GitHub for Windows/Mac

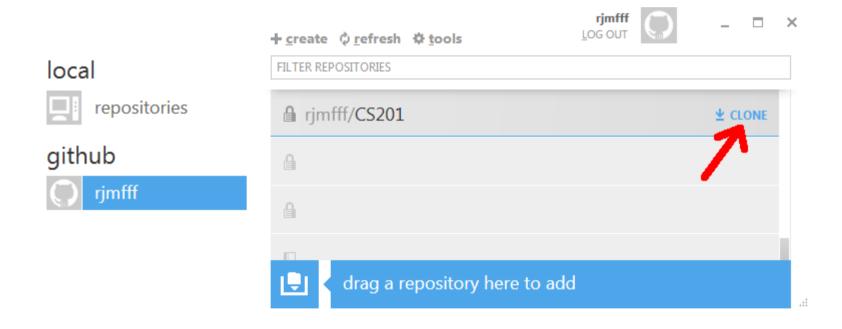
- Set the <u>default storage directory</u> to the location you prefer. This will also be the folder we create our C++ projects within.
- Click <u>update</u> when done.



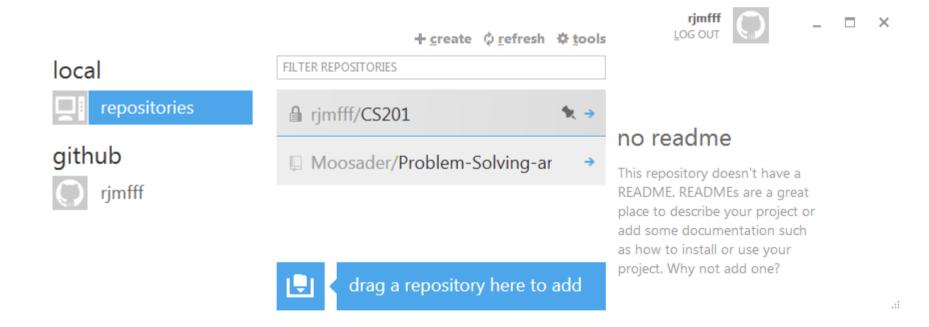
- The repository is currently only on the web server. To add and change files, you need to pull it down to your local machine.
- You will modify files on your harddrive, and when you're done with a change, push them back to the server.

- Log into GitHub for Windows (or Mac) on your computer.
- Select your username under the github section on the left.

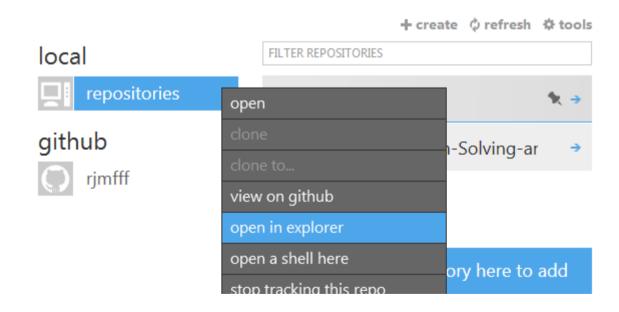
Click on the <u>Clone</u> button next to your repositories.



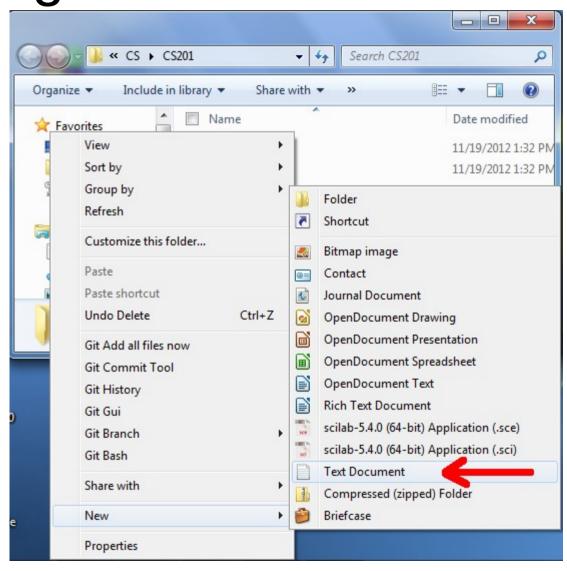
 Your repository will now show up under the local section when you click <u>repositories</u>.



 Right-click on your CS201 Repository and select <u>open in explorer</u>.



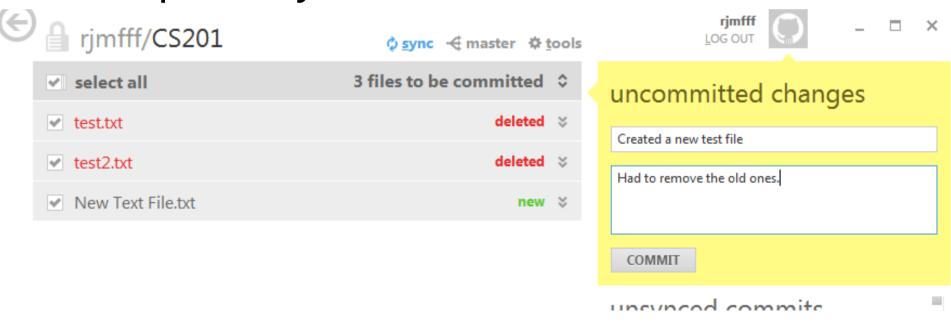
 Add a new text document.



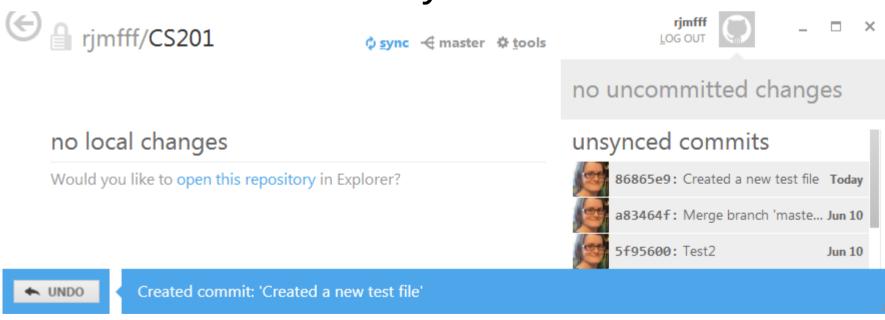
 Go back to your GitHub client and double-click on the Repository name.



 The client will automatically detect any file changes. In the yellow region, enter a <u>COMMIT MESSAGE</u>, and an optional description if you want.



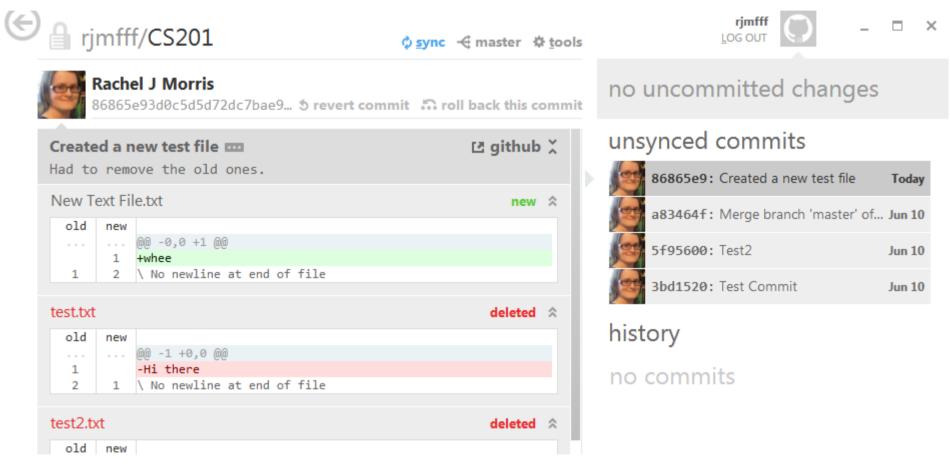
- Click commit and the left section will clear out.
- On the right, you will see "unsynced commits".
 These are changes you have committed, but are not on the server yet.



6. Viewing changes

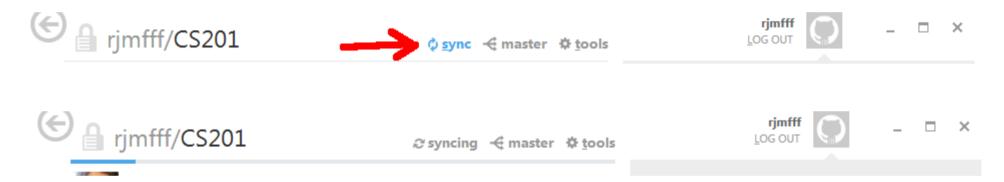
 You can click on a specific commit to see any changes that were made.

6. Viewing changes



7. Pushing your changes to the server

 Click on the <u>sync</u> button to push your changes to the server.



7. Pushing your changes to the server

Your changes will now be visible on the webpage.

