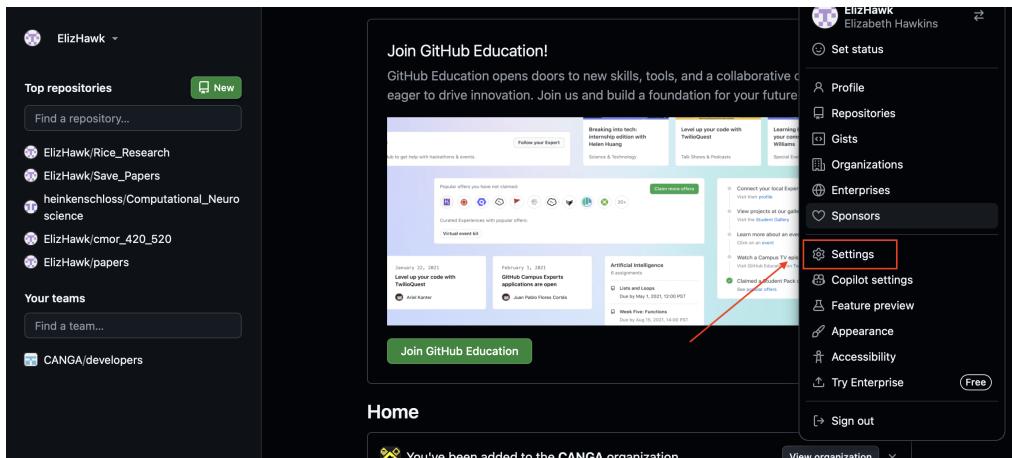


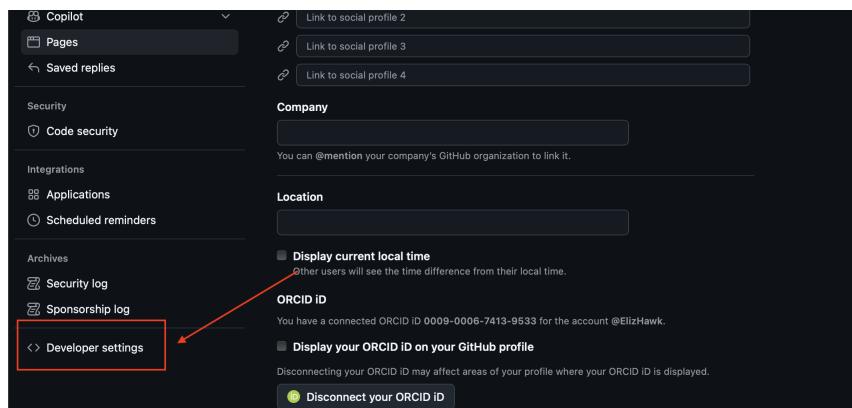
# Generating Tokens for Git

The authentication error that many students are experiencing may be due to Git requiring tokens for https access and operations. Tokens are alternative authentication method. You can generate a token on Github, and use it in place of your password which may resolve the authentication issue for some students. Below are the steps to take, you can also visit Github.com directions:

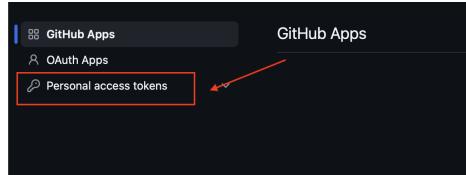
1. Go to Github.com. From the main dashboard, in the upper right corner select your profile and go to settings



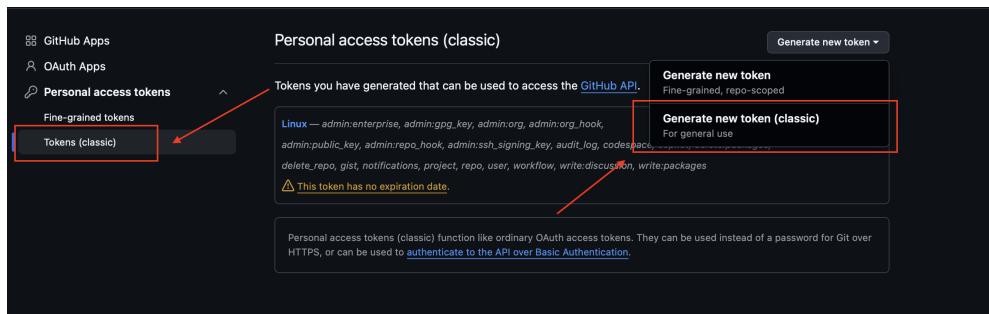
2. Scroll to the bottom and select 'Developer Settings' from the left-hand side



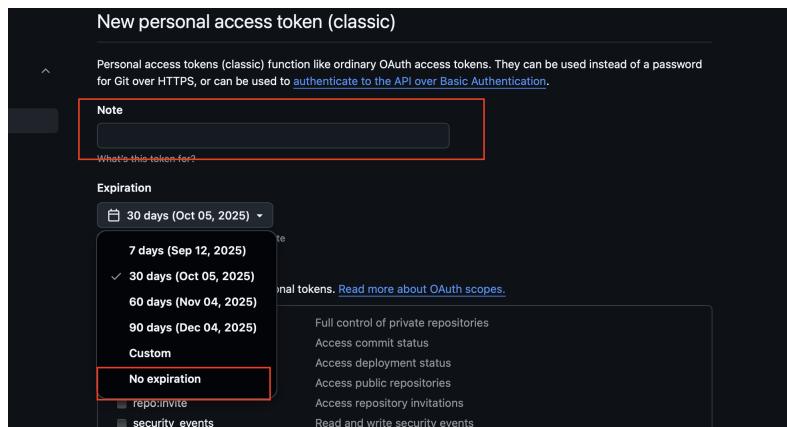
3. Go to 'Personal Access Tokens', and choose 'Tokens (classic)'



4. Press 'Generate New Token (classic)' on the right. Be sure to choose classic.



5. In the 'Note' field, put any description you want for the purpose of this token
6. For expiration, this is your choice. If you give it an expiration date, you will need to make a new token after it expires. You can choose no expiration date.



7. Now scroll to the bottom and generate. You have to save this token somewhere, so copy it, make a document (any document), and paste it there.
8. Now, for any git authentication, use the token in place of the password.