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GitHub Error: Authentication Failed from the Command Line

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After setting up 2 Factor Authentication on GitHub, I couldn't push my remote repositories from the command line anymore.

When I tried to push a remote repo, the command line threw this error:

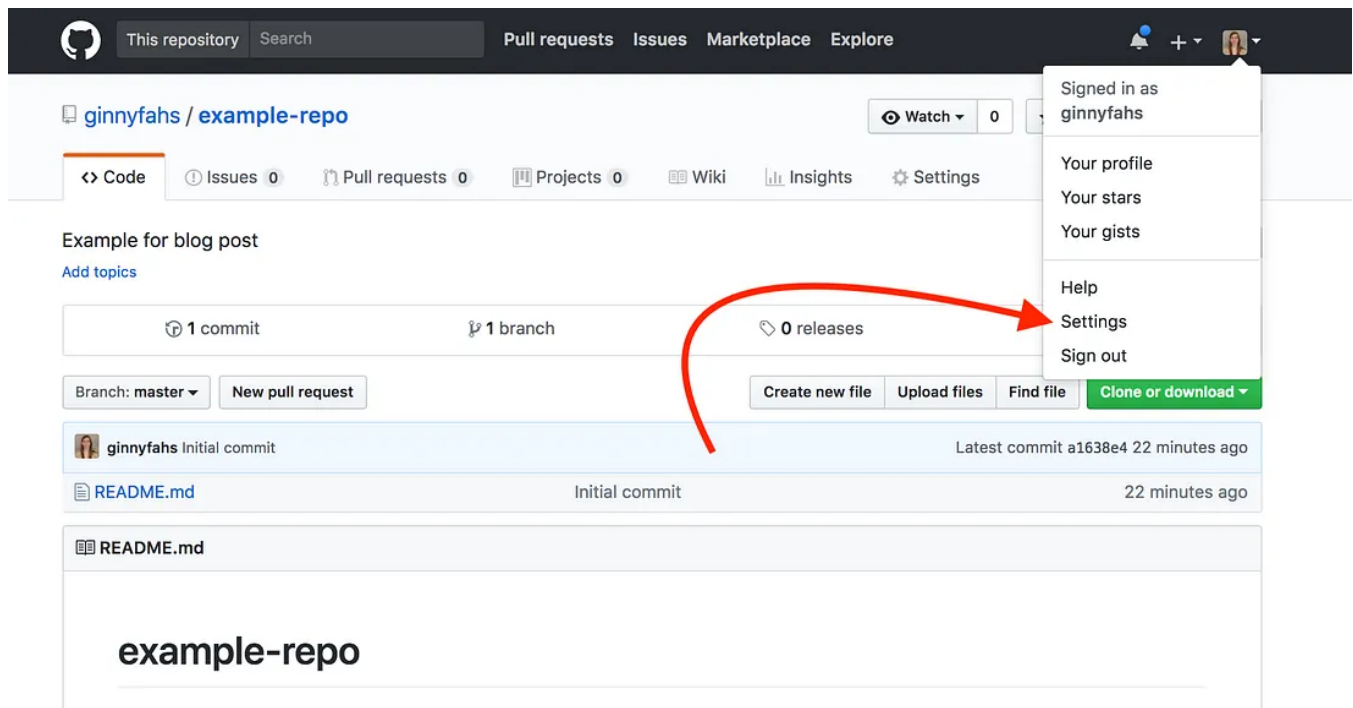
```
~ :> git push origin my-branch
Username for 'https://github.com': myusername
Password for 'https://myusername@github.com': mypassword
remote: Invalid username or password.
fatal: Authentication failed for 'https://github.com/my-repository'
```

The error stumped me — and made me vow that, when I did ultimately get to the bottom of it, I'd do my best to pay the knowledge forward.

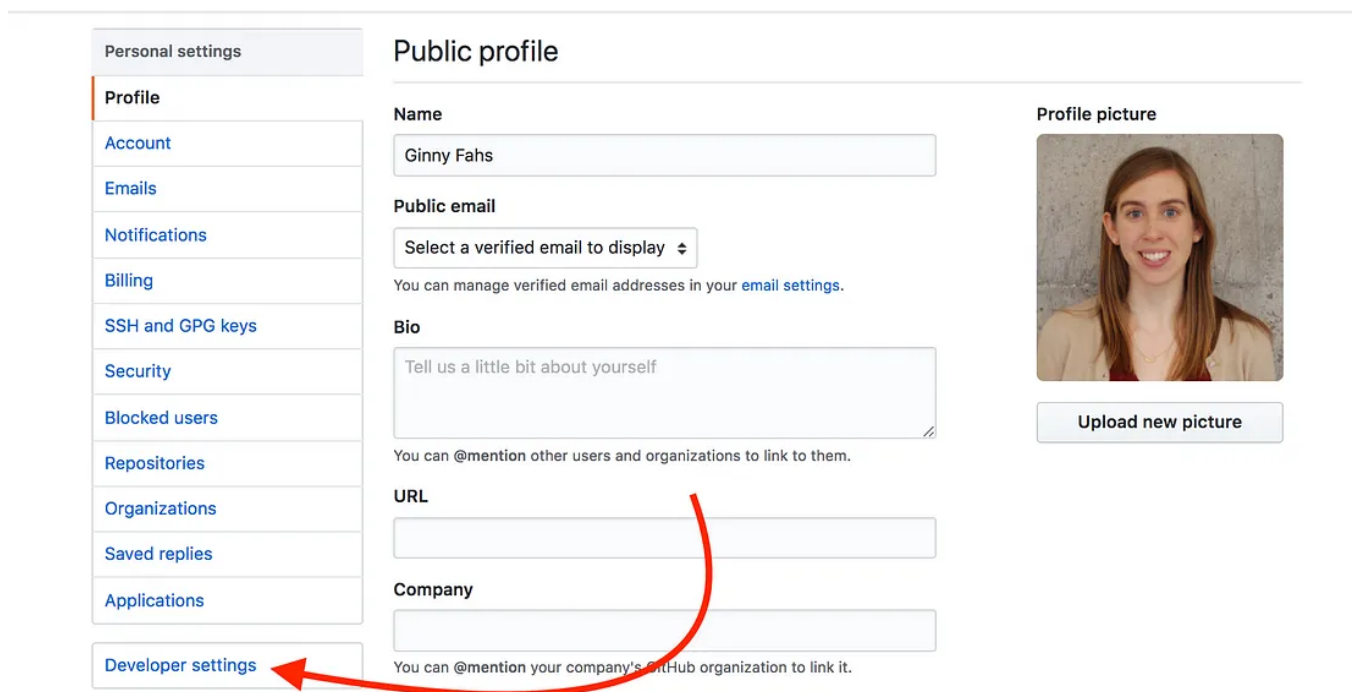
How to Authenticate on GitHub with 2FA

Command line authentication requires a personal access token.

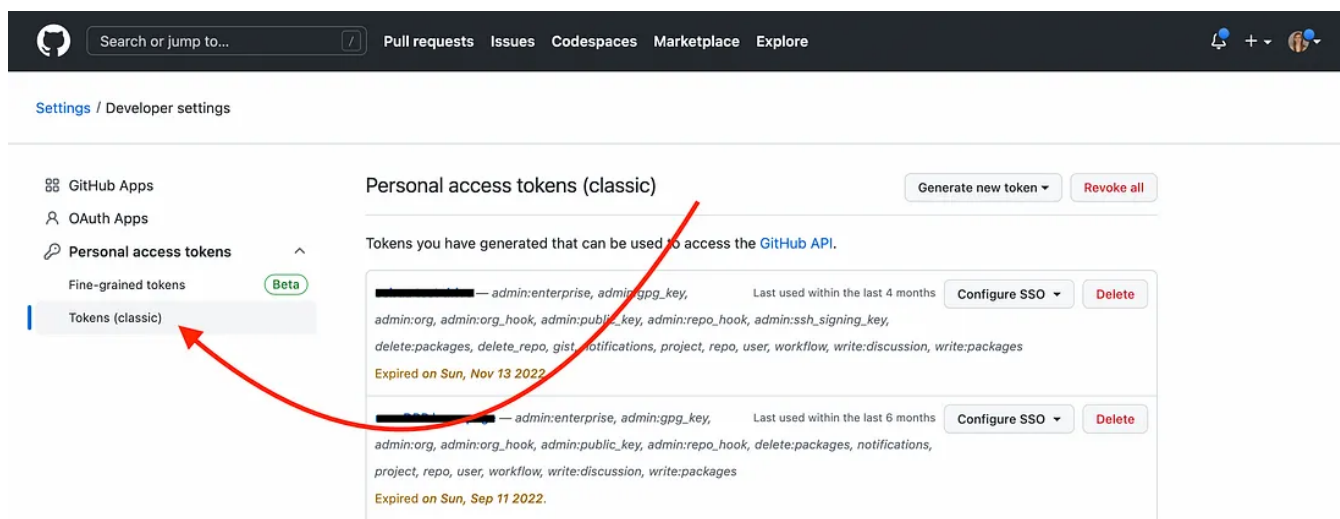
Go to Settings:



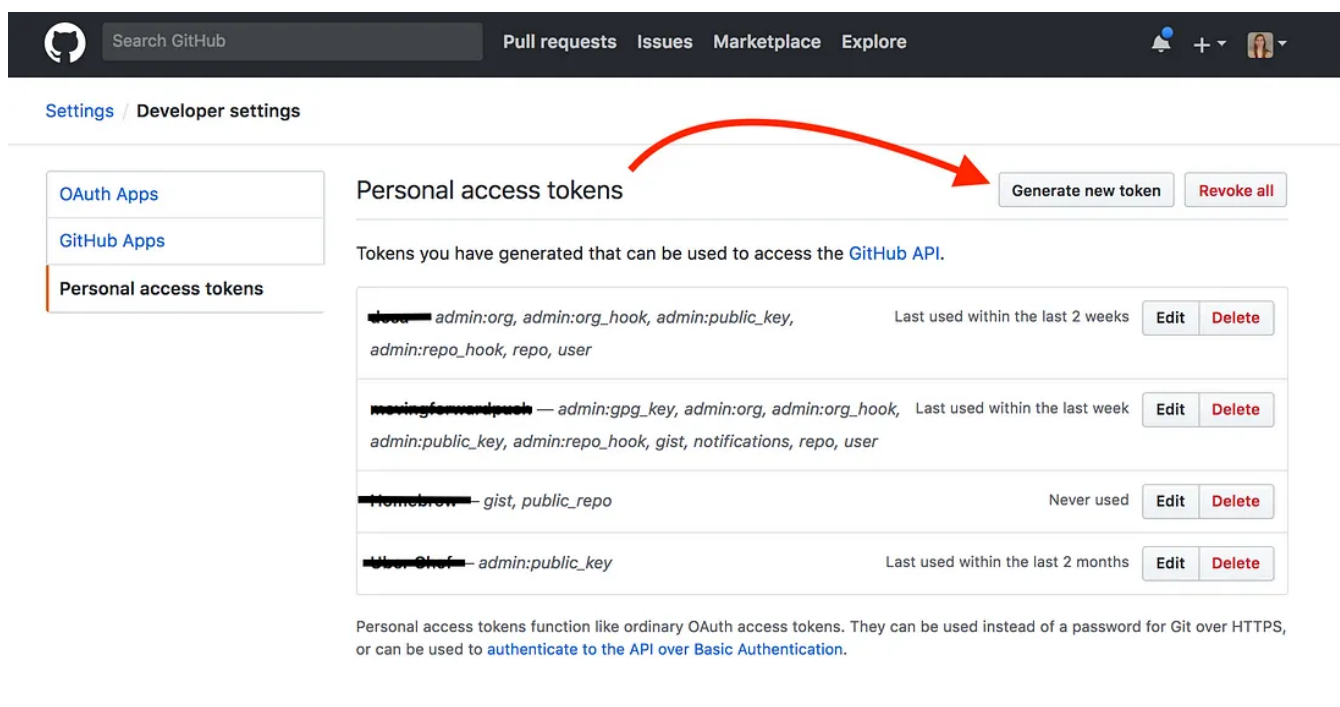
Then Developer Settings:



Then Personal access tokens >> Tokens (classic):



Generate a new Personal Access Token (also classic). Make sure you copy the Personal Access Token as soon as it gets generated — you won't be able to see it again!

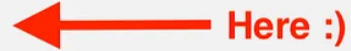


Paste the Personal Access Token into the “Password” field when you authenticate via the command line.

```
~ :> git push origin my-branch
```

```
Username for 'https://github.com': myusername
```

```
Password for 'https://myusername@github.com':
```



Github

2fa

Authentication

Command Line

Coding

```
fatal: Authentication failed for 'https://github.com/my-repository'
```

GitHub has published official instructions for this flow [here](#) (though without glam screenshots...)

Hope this helps — happy coding!



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