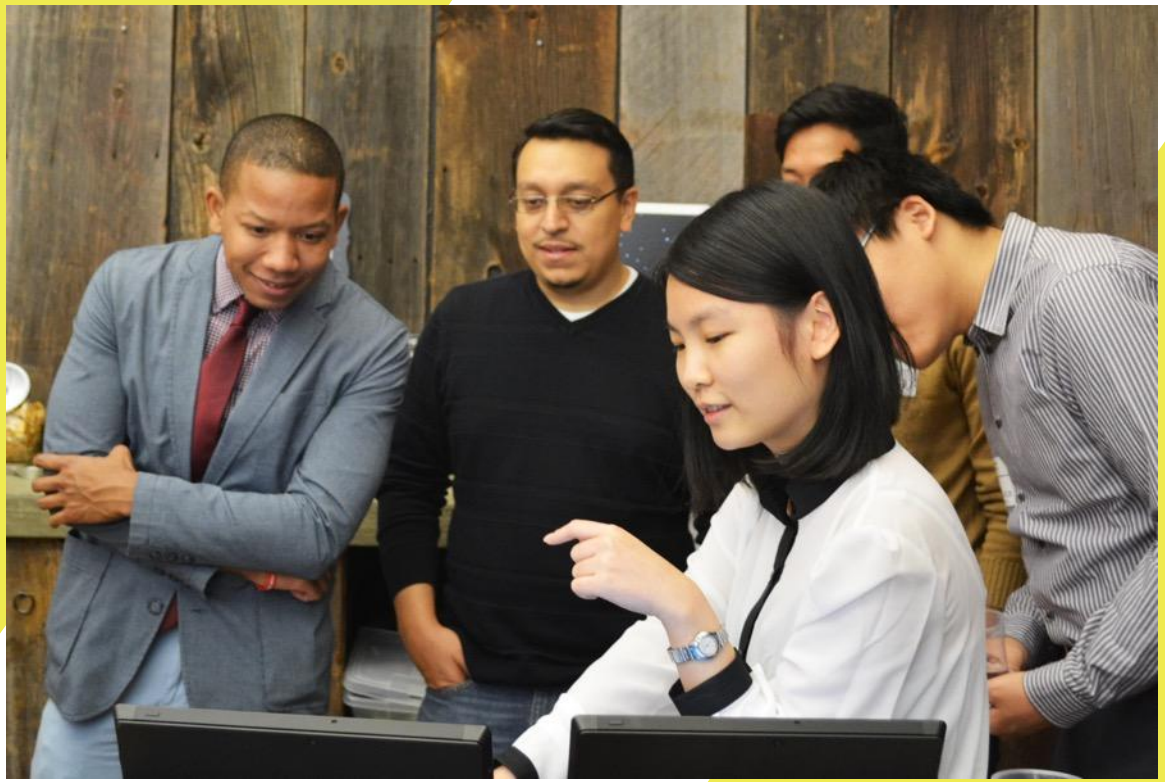
NYC Tech Talent Pipeline

GitHub Intro/Standout



What is GitHub?

An open-source code sharing and publishing service.

Key features:

- Collaboration with worldwide contributors.
- Forking, pull requests, and issues.

What is GitHub?

GitHub is like Google Drive on steroids for coders

What is GitHub?

- **Collaboration Heaven**: Just like you share docs on Google Drive, you can share code on GitHub. But it's better because you can actually see who changed what and when, making group projects a breeze.

- **Version Control Magic**: Ever made a mistake and wished you could go back to an earlier version of your document? GitHub lets you do that with code. It keeps a history of every change, so if something goes wrong, you can easily revert back.

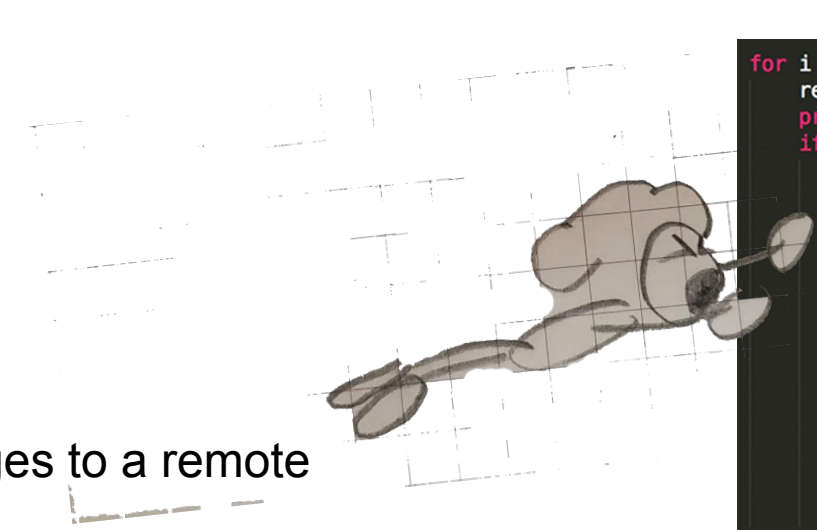
- **Showcase Your Work**: Google Drive is private until you choose to share. GitHub is like an open book (that you control), letting you showcase your projects to the world. It's your portfolio that potential employers can see, demonstrating your skills, creativity, and dedication.

- **Community and Growth**: Imagine Google Drive as a solitary workspace. Now, imagine GitHub as a vast community where you can contribute to others' projects, get feedback, and improve your skills. It's not just about storage; it's about growth and learning.

Why is GitHub Important?

- Industry Standard Tool
- Employers' interest in GitHub profiles.
- Showcase coding skills and personal projects.

Git Push



```
for i in people.data.users:
    response = client.api.statuses.user_timeline.get(screen_name=i.scre
    print 'Got', len(response.data), 'tweets from', i.screen_name
    if len(response.data) != 0:
        ltdate = response.data[0]['created_at']
        ltdate2 = datetime.strptime(ltdate,'%a %b %d %H:%M:%S +0000 %Y'
        today = datetime.now()
        howlong = (today-ltdate2).days
        if howlong < daywindow:
            print i.screen_name, 'has tweeted in the past' , daywindow,
            totaltweets += len(response.data)
            for j in response.data:
                if j.entities.urls:
                    for k in j.entities.urls:
                        newurl = k['expanded_url']
                        urlset.add((newurl, j.user.screen_name))
        else:
            print i.screen_name, 'has not tweeted in the past', daywind
```

What is this?

Uploading your local repository changes to a remote repository.

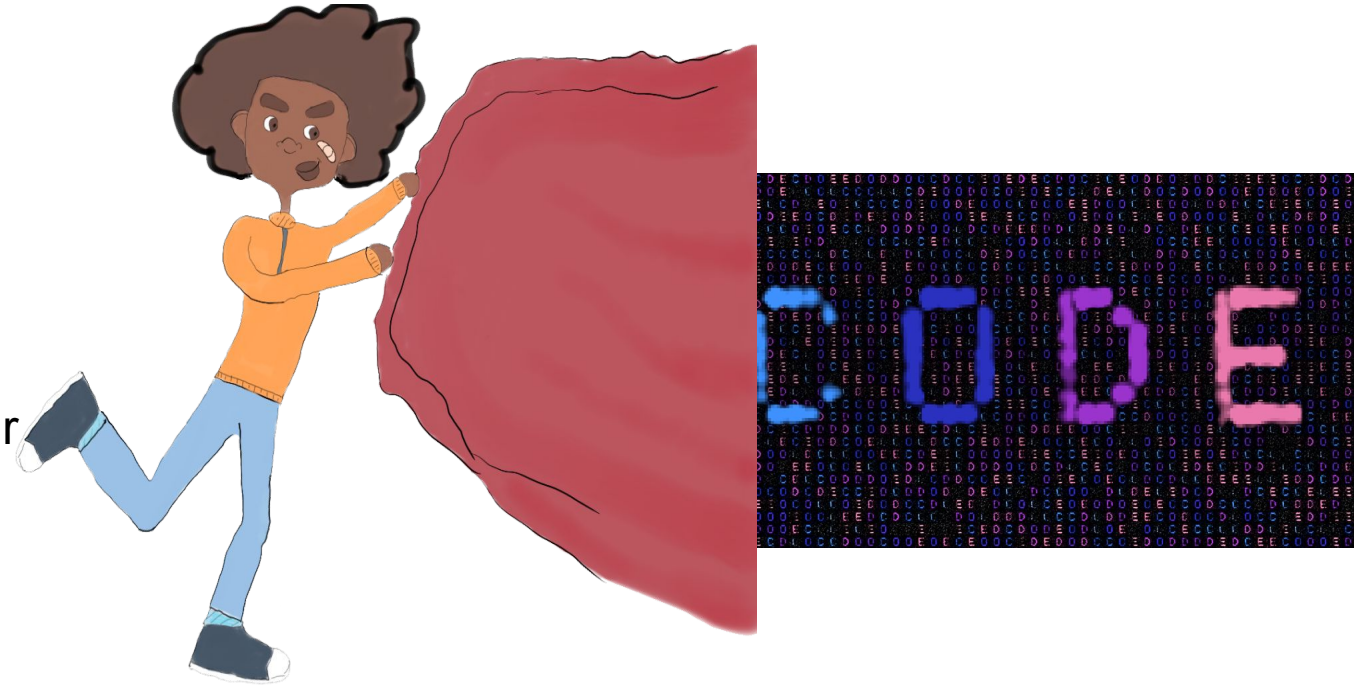
Use Case

After committing your changes locally, you push them to share with your team or integrate into the main project.

Git Pull

What is this?

Downloading changes from a remote repository to your local machine.



Use Case

When you want to get the latest code from the main project or another branch into your local repository.

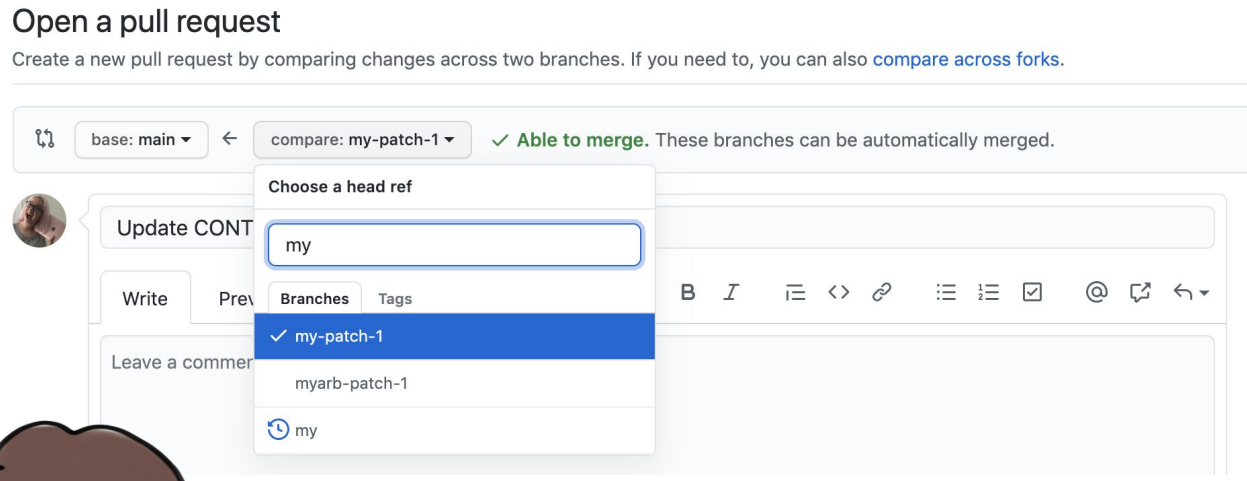
Pull Requests

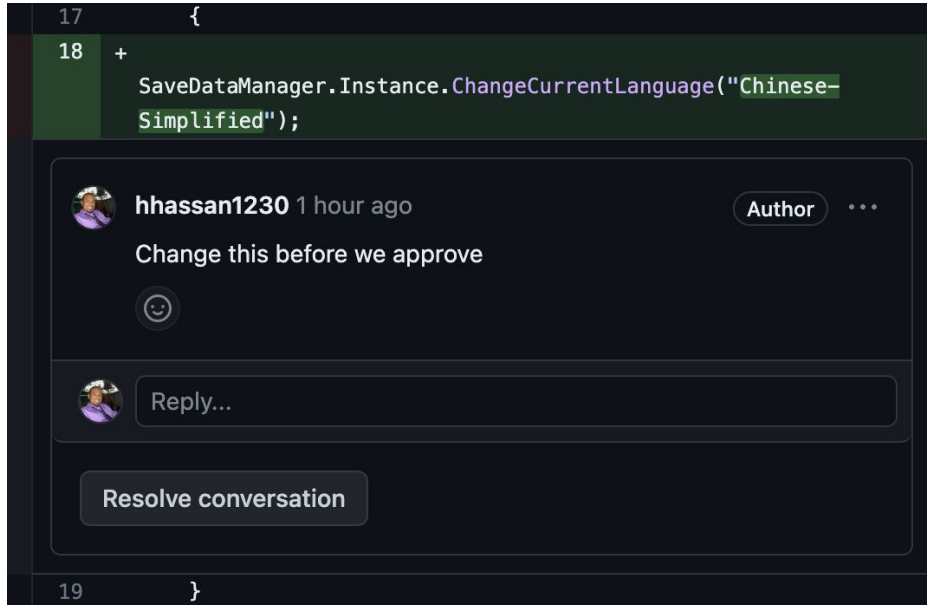
What is this?

A request to merge your code changes from one branch to another within a repository.

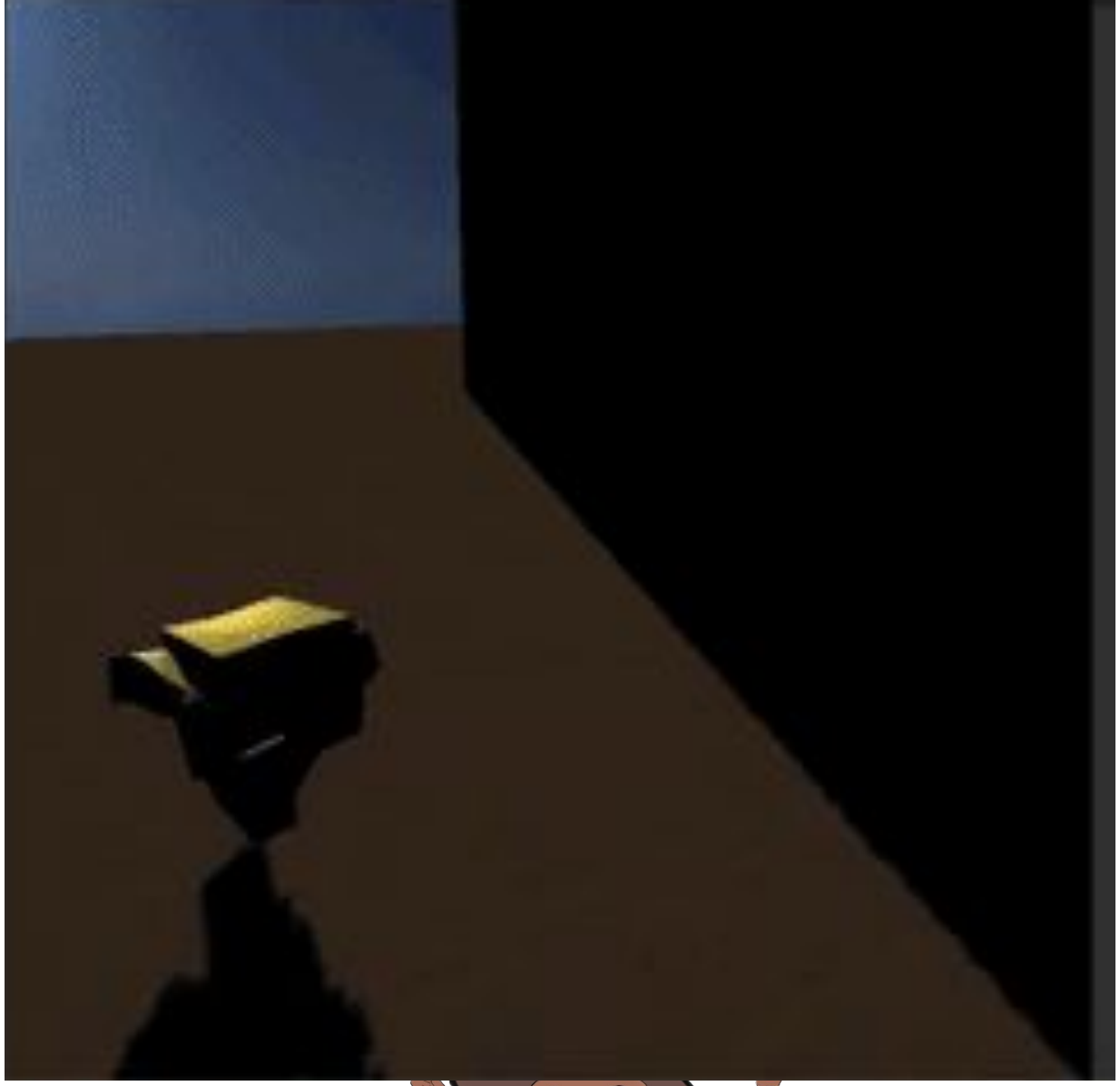
Use Case

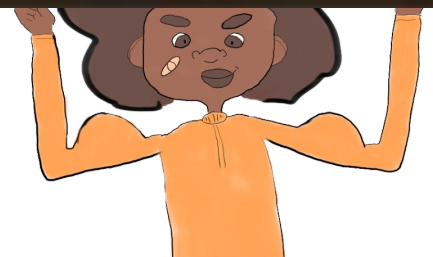
When you've finished a feature or bugfix in a branch and want it to be reviewed and merged into the main project.





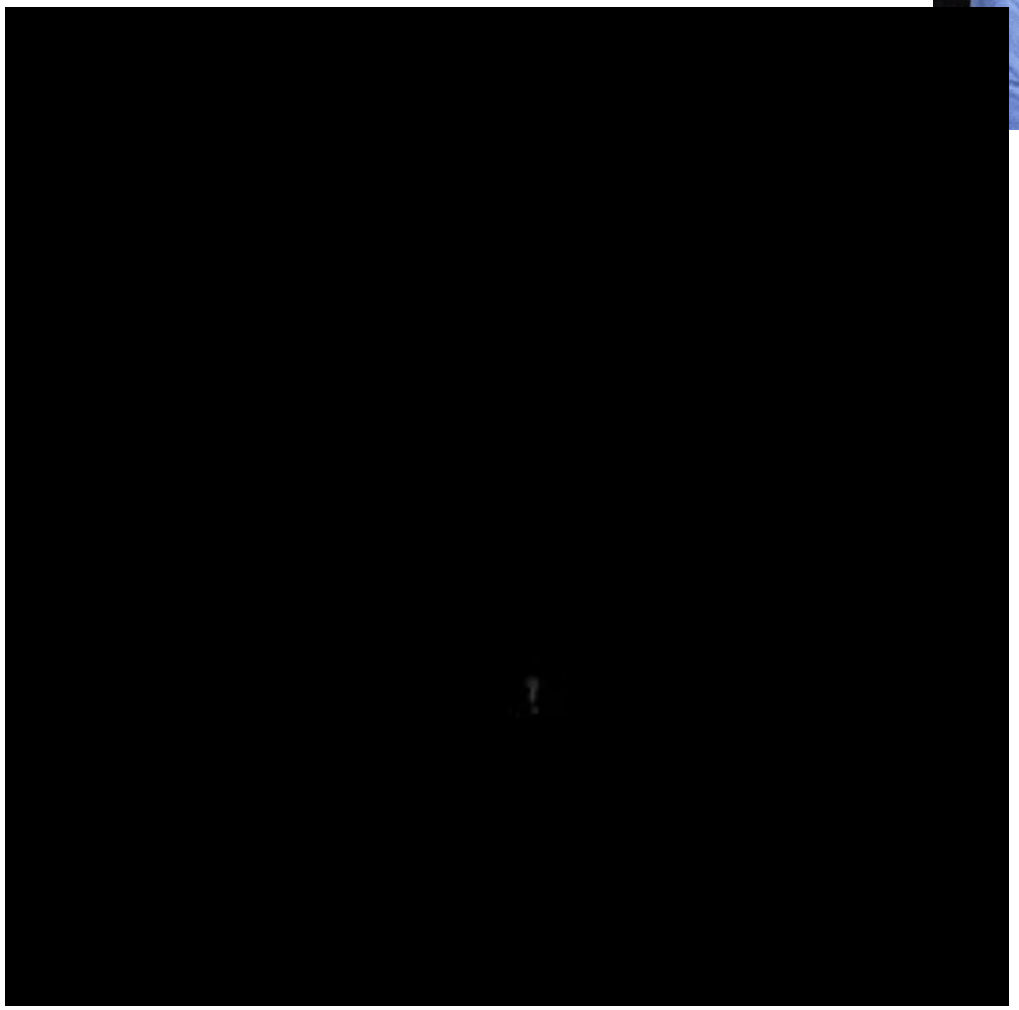
Github Examples

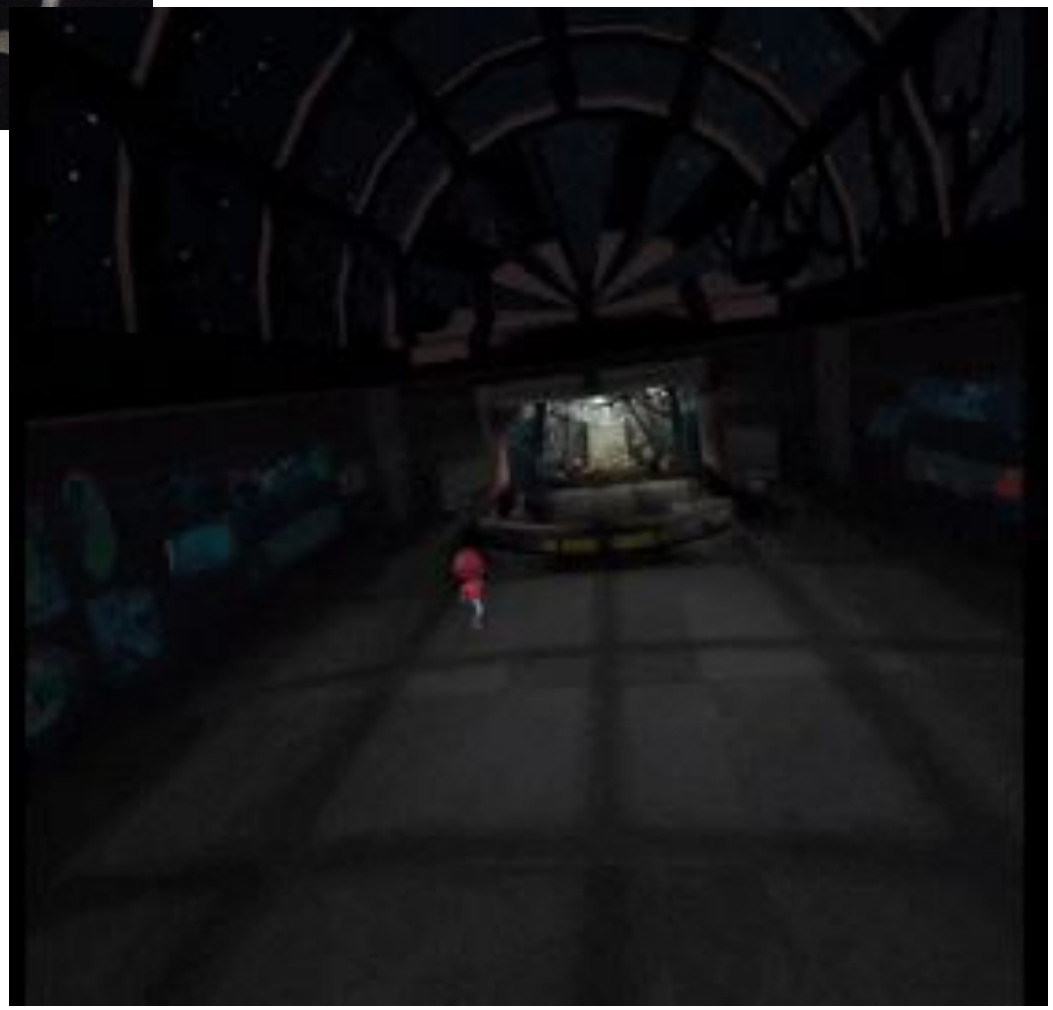




Github Examples

Github Examples





Crafting a Good GitHub Profile

You

Picture of yourself

Bio

Past roles, skills, interests.

Projects

Showcase your best work.

Repositories

Showcase your best work.

Dive into Projects

Project Suggestions

Personal

- Websites
- Games
- Apps
- Plug-ins

Industry Partnerships

- Class Homework
- Internship Projects* (ensure no confidentiality breaches)
- Open Source Contributions

Engaging with the Community

- **Debugging and problem-solving in teams.**
- **Show versatility through various tech stacks and tools.**
- **Contribution graphs.**

Completeness & Contributions

- **Finish what you start.**
- **Focus on quality projects.**
- **Contribution frequency vs. quality.**

README & CONTRIBUTING Files

- **Importance of README.md**
- **Essential elements of a good README.**
- **CONTRIBUTING file details.**

Profile Settings Tips

- Email visibility.

- "Available for hire" option.

Practical Tips

- **Professional repo names and descriptions.**
- **Use the pin feature wisely.**
- **Highlighting complex projects.**

What to do on GitHub?

- **Diverse Projects**: Like a well-rounded student, a GitHub with varied projects (class assignments, personal projects, open source contributions) shows versatility and a willingness to explore different challenges.

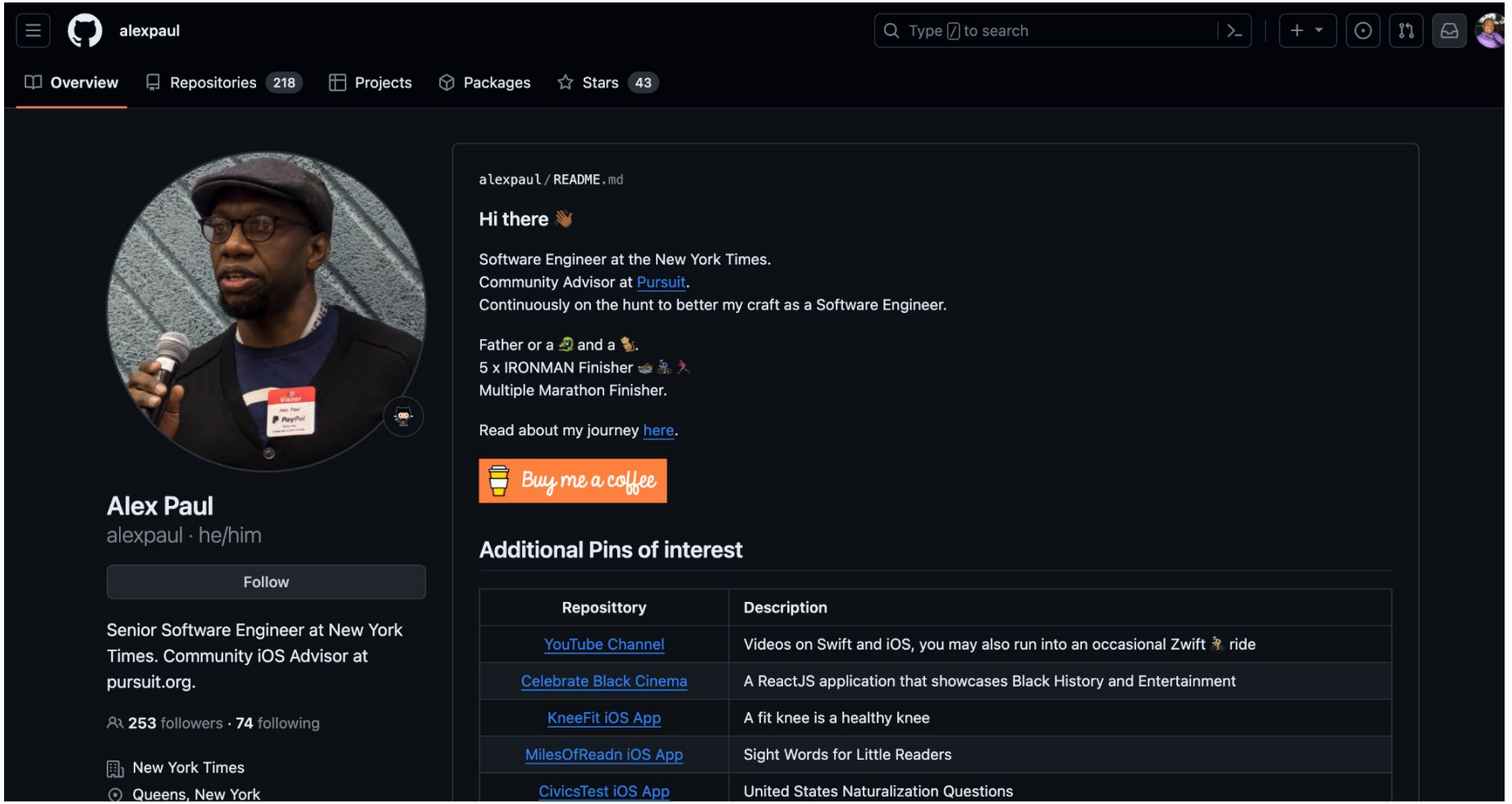
- **Commit History**: Regular updates and commits signal dedication and a habit of continuous learning and improvement. It's like showing up to every class, not just the finals.

- **Quality over Quantity**: A few well-documented, thoughtful projects can speak louder than a multitude of half-finished ones. It's about showing your best work, not just all your work.

- **Problem Solving and Creativity**: Recruiters love seeing how you tackle problems, think critically, and innovate. Contributions to solving issues or enhancing existing projects highlight these skills.

- **Community Engagement**: Active participation in the GitHub community, through contributing to open source projects or collaborating with others, shows you can work well in teams and are engaged in your field.

Sample Profiles


alexpaul
Type / to search
Overview
Repositories 218
Projects
Packages
Stars 43
Alex Paul
alexpaul · he/him
Follow
Senior Software Engineer at New York Times. Community iOS Advisor at pursuit.org.
253 followers · 74 following
New York Times
Queens, New York
alexpaul / README.md
Hi there
Software Engineer at the New York Times.
Community Advisor at Pursuit.
Continuously on the hunt to better my craft as a Software Engineer.
Father or a and a .
5 x IRONMAN Finisher
Multiple Marathon Finisher.
Read about my journey here.
Buy me a coffee
Additional Pins of interest
Repositttory
Description
YouTube Channel
Videos on Swift and iOS, you may also run into an occasional Zwift ride
Celebrate Black Cinema
A ReactJS application that showcases Black History and Entertainment
KneeFit iOS App
A fit knee is a healthy knee
MilesOfReadn iOS App
Sight Words for Little Readers
CivicsTest iOS App
United States Naturalization Questions

Ashli Rankin

ashlirankin18

Follow

19 followers · **12** following

@Lickability

United States

ashlirankin18@gmail.com

Achievements

x4 x3

Beta Send feedback

Block or Report

Pinned

Software-Development-Bookcamp-Work Public
HTML

boi Public
CSS 4

StackVisualRepresentation Public
Swift 3

VisualLinkListRepresentation Public
Swift 2

TheServiceApp Public
Swift 4 1

PerfectlyCrafted Public
Swift

3,083 contributions in the last year

2023 2022 2021 2020 2019 2018

Nov Dec Jan Feb Mar Apr May Jun Jul Aug Sep Oct Nov

Mon
Wed
Fri

Learn how we count contributions

Less More

@Lickability

Activity overview

Contributed to Lickability/Networking, ashlirankin18/AppIntentsDemo, Lickability/Persister and 2 other repositories

Using GitHub in Development/Work

- **Branching strategy.**
- **Testing after pushing.**
- **Naming conventions for releases.**

GitHub Help & Learning

- **GitHub forums and Stack Overflow.**
- **GitHub Learning Lab.**
- **Microsoft's GitHub learning paths.**

Additional Notes

Internship Projects

Confidentiality concerns.

LeetCode submissions

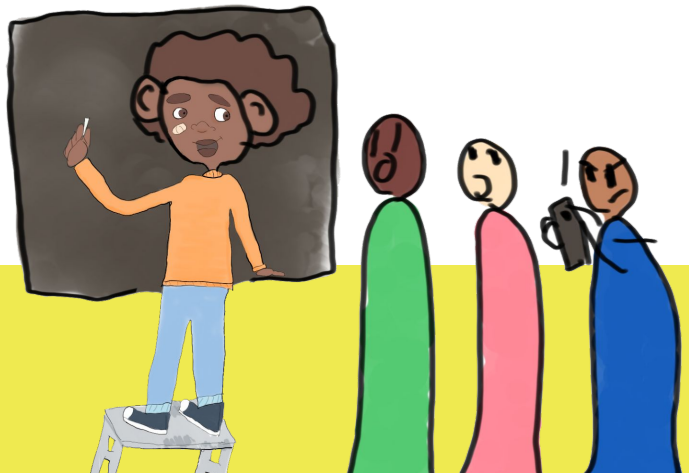
Auto-sync for LeetCode submissions.

Resources & Conclusion

Resources & Conclusion

- List of resources (next slide).

- Your GitHub profile is your professional coding diary, make it stand out!



Resources & Conclusion

GitHub Official Website
- GitHub
- A primary resource for understanding GitHub's functionalities and services.

GitHub Guides and Best Practices
- Understanding the GitHub Flow
- Guides on GitHub functionalities, including forking, pull requests, and issues.

Professional Tips for GitHub Profiles
- 7 Tips to Improve Your GitHub Profile
- Offers practical advice on optimizing GitHub profiles for professional visibility.

Open Source Repository Maintenance
- Checklist for Every Open Source Repository Maintainer
- Highlights best practices for managing and contributing to open-source projects.

GitHub in the Industry
- What Exactly Is GitHub Anyway?
- An article explaining the role of GitHub in modern software development and collaboration.

GitHub for Job-Seeking Developers
- What Do Job-Seeking Developers Need in Their GitHub?
- Discusses the importance of GitHub profiles in the job search for developers.

GitHub Education and Learning Tools
- GitHub Learning Lab
- Offers a range of interactive courses to learn GitHub.

Microsoft GitHub Learning Paths
- GitHub Learning Paths by Microsoft
- Provides structured learning paths for various aspects of using GitHub.

GitHub Community and Support
- GitHub Community Forum
- A platform for asking questions and sharing information with other GitHub users.

Stack Overflow
- Stack Overflow
- A popular platform for asking coding and software development questions.