

The
Alan Turing
Institute

***Git Good: Using Github for
Collaboration in Open
Source Communities***

Hari Sood, Sophia Batchelor, and
Anne Lee Steele, Esther Plomp



Introductions



Hari Sood
Research Application
Manager
Alan Turing Institute
Core Contributor,
The Turing Way



Sophia Batchelor
Community Manager
Alan Turing Institute
Core Contributor,
The Turing Way



Anne Lee Steele
Community
Manager,
Alan Turing Institute
The Turing Way



Esther Plomp
Data Steward,
Delft University of
Technology, TNW.
Core Contributor
The Turing Way

Overview



1. What is *The Turing Way*?
2. Github Workshop
3. Contributing to *The Turing Way*
4. Celebrations

Overview

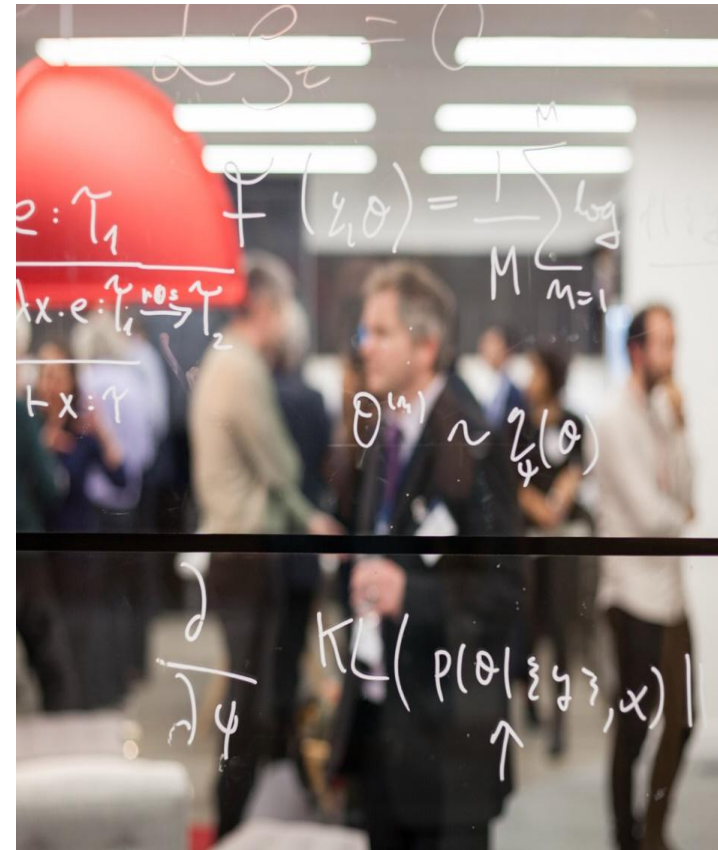


1. **What is *The Turing Way*?**
2. Github Workshop
3. Contributing to *The Turing Way*
4. Celebrations

The Alan Turing Institute

Established in 2015 as the National Institute for Data Science and AI

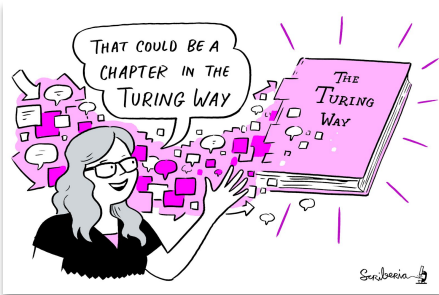
- Advanced world-class research and apply it to real-world problems
- Train the leaders of the future
- Lead the public conversation



The Turing Way

An Open Source guide on Data Science

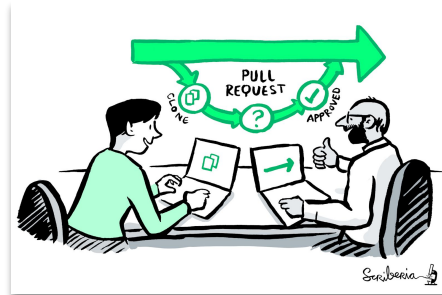
We involve and support a diverse community to make data science reproducible, ethical, collaborative and inclusive for everyone



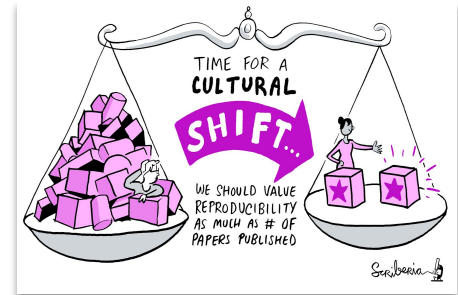
A Book



A Global Community



An Open Source Project



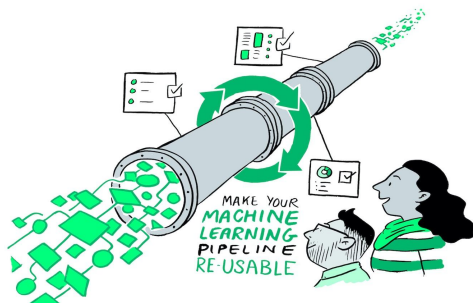
A Culture of Collaboration

What is open source?

- Roots in free software movement
- Licensing allowed for modifications and derived works
- Developed into free and open source software (F/OSS) movement
- Influenced 'open' movements: open knowledge, open data, open access, open science



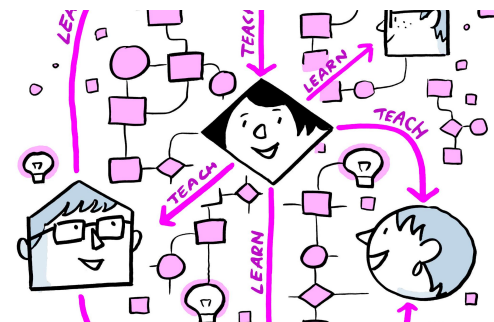
The Turing Way Guides



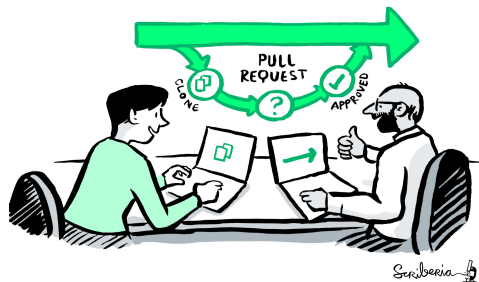
Reproducibility



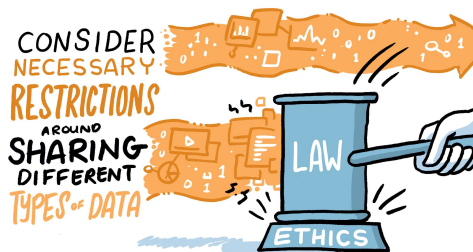
Project Design



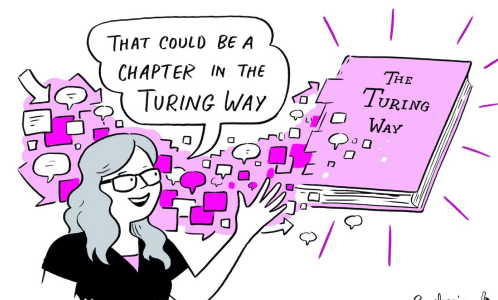
Communication



Collaboration



Ethical Research



Community Handbook

The Turing Way



Create README.md
KirstieJane committed on 1 Nov 2018



2019



Book Dash 2020,
Project expanded to **five guides**,
Community Handbook, social media,
Translation started. **238 contributors**.

2020



Logo was designed
with Scriberia

2021



250+ live chapters, 340+ contributors, 3000+ Twitter followers, 3000+ monthly visitors of the five guides.

2 project leads, a community manager,
10+ part paid staff, volunteer members,
4 translation and localisation leads.

2022

Project growth, **134+ chapters** citation in
peer reviewed articles, government
reports and policies, new projects
emerged as extension. **309 contributors**

Highly commended: *The Turing Way*, *The Turing Way*
Community, *The Alan Turing Institute*



2018

**The
Alan Turing
Institute**

Book launched with **10 members, 3 chapters**, many workshops, **2 Book Dashes**. Year ended with Several chapters by **67 contributors**

How we practice collaborative open source



Tools



Practices

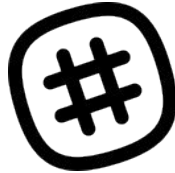


Systems

The Turing Way: Tools



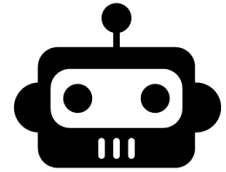
Open Knowledge
Management



Community
engagement



Publication &
citation



Acknowledgement

The Turing Way: Practices



**Community
support**



**Review &
Verification**



Maintenance



Localisation

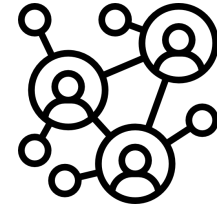
The Turing Way: Systems



Open Research
infrastructure



Community
infrastructure



Network
infrastructure

The Turing Way: Systems



**Open Research
infrastructure**



**Community
infrastructure**



**Network
infrastructure**

Key Practices for Collaboration

MENTORED CONTRIBUTIONS



Develop & share



Maintain & improve



Share resources



Review and update



Make it global



Share best practices

Key Practices for Collaboration

MENTORED CONTRIBUTIONS

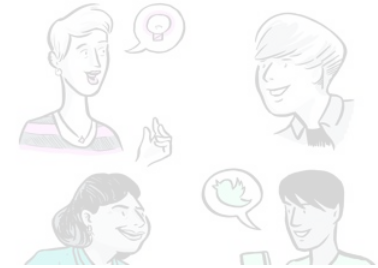


Develop & share

FIXING LINKS



Make it global

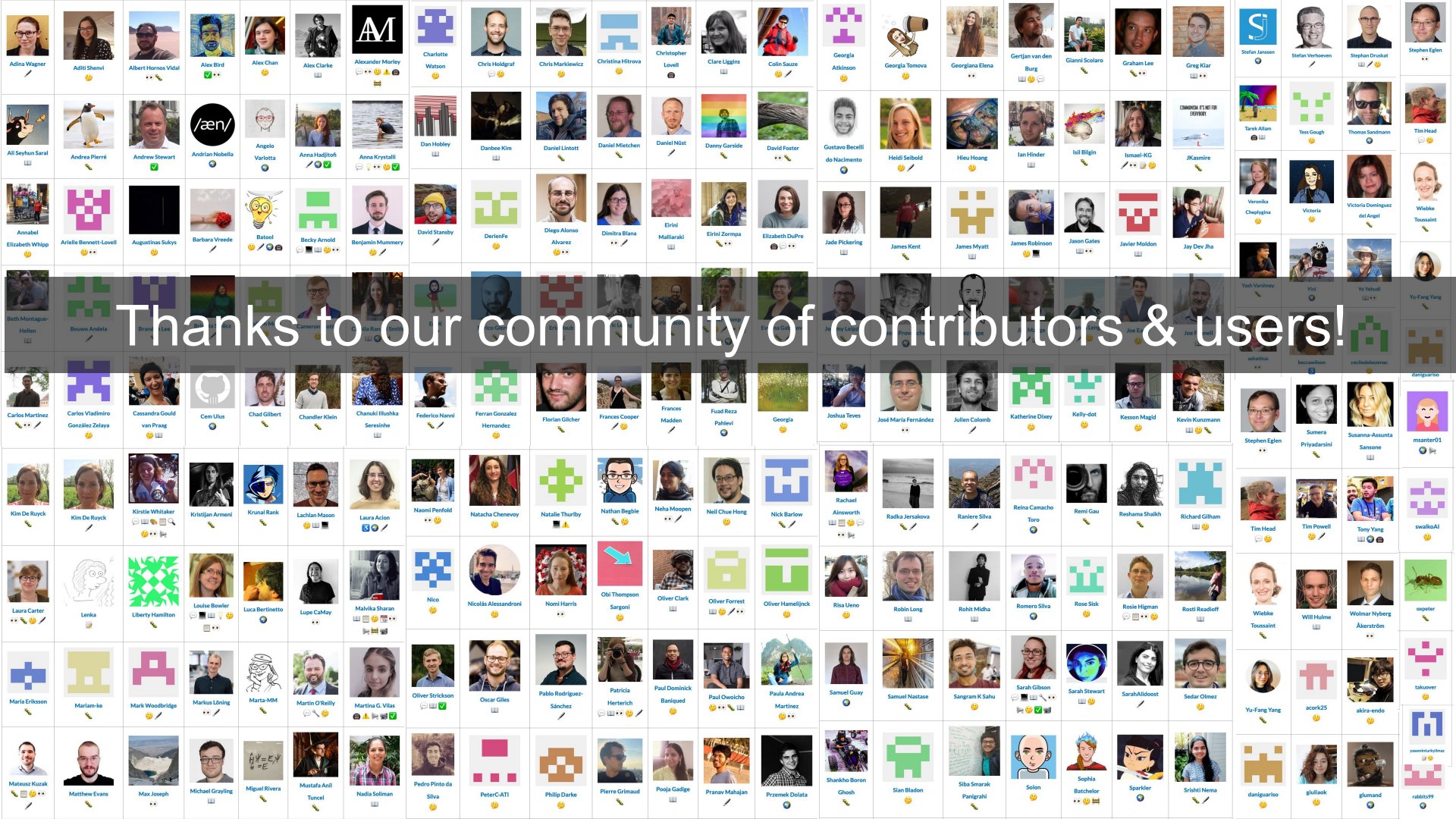


Share resources



PROJECT DESIGN

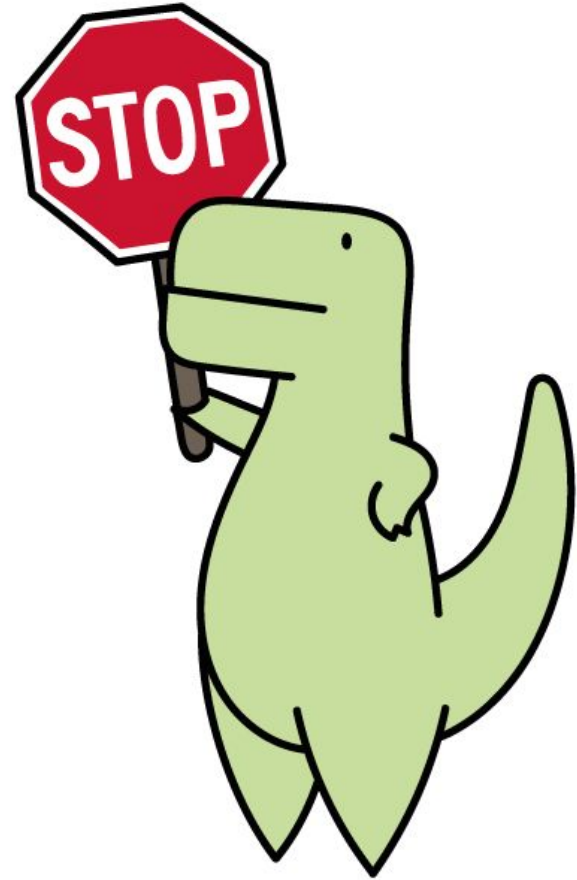
Share best practices



Thanks to our community of contributors & users!

PAUSE!!!

Any questions?



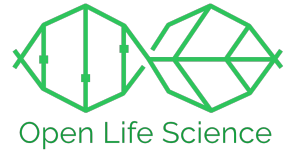
Overview



1. What is *The Turing Way*?
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Let's Git Good:

- Why use GitHub?
- What is GitHub?
- **Exercise:** creating a repository
- Writing in Markdown
- **Exercise:** editing a GitHub page and making a PR
- **Exercise:** Contribute to *The Turing Way*!



Why use GitHub within your community?

- Collaborative documentation
- Version Control
- Transparency & accountability
- Attribution for contributions
- Project management



Collaborative Documents

There are challenges in developing collaborative documents...

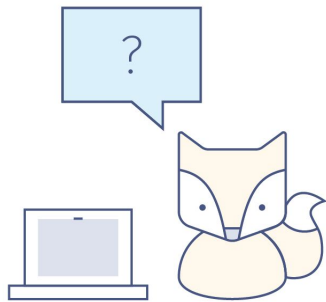


Collaborative Documents

There are challenges in developing collaborative documents...

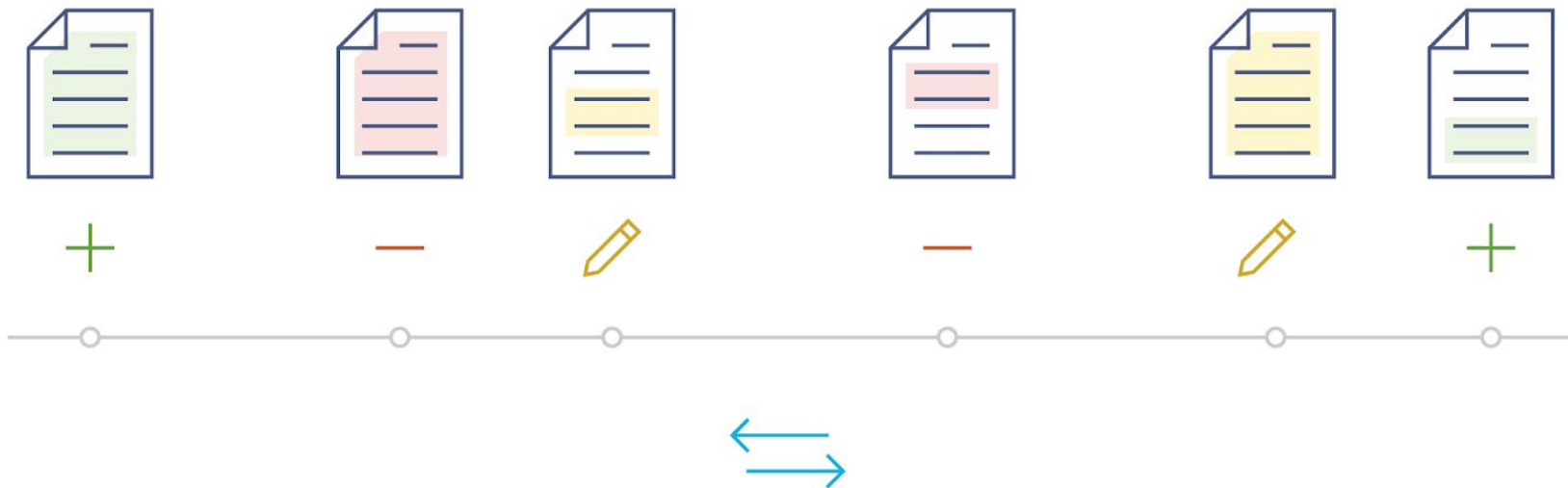
- Asynchronous and conflicting edits, location, time zones, and **VERSIONS!**





VERSION CONTROL





Revisions and Versions



Scriberia 



Where the world builds software

Millions of developers and companies build, ship, and maintain their software on GitHub—the largest and most advanced development platform in the world.

Sign up for GitHub



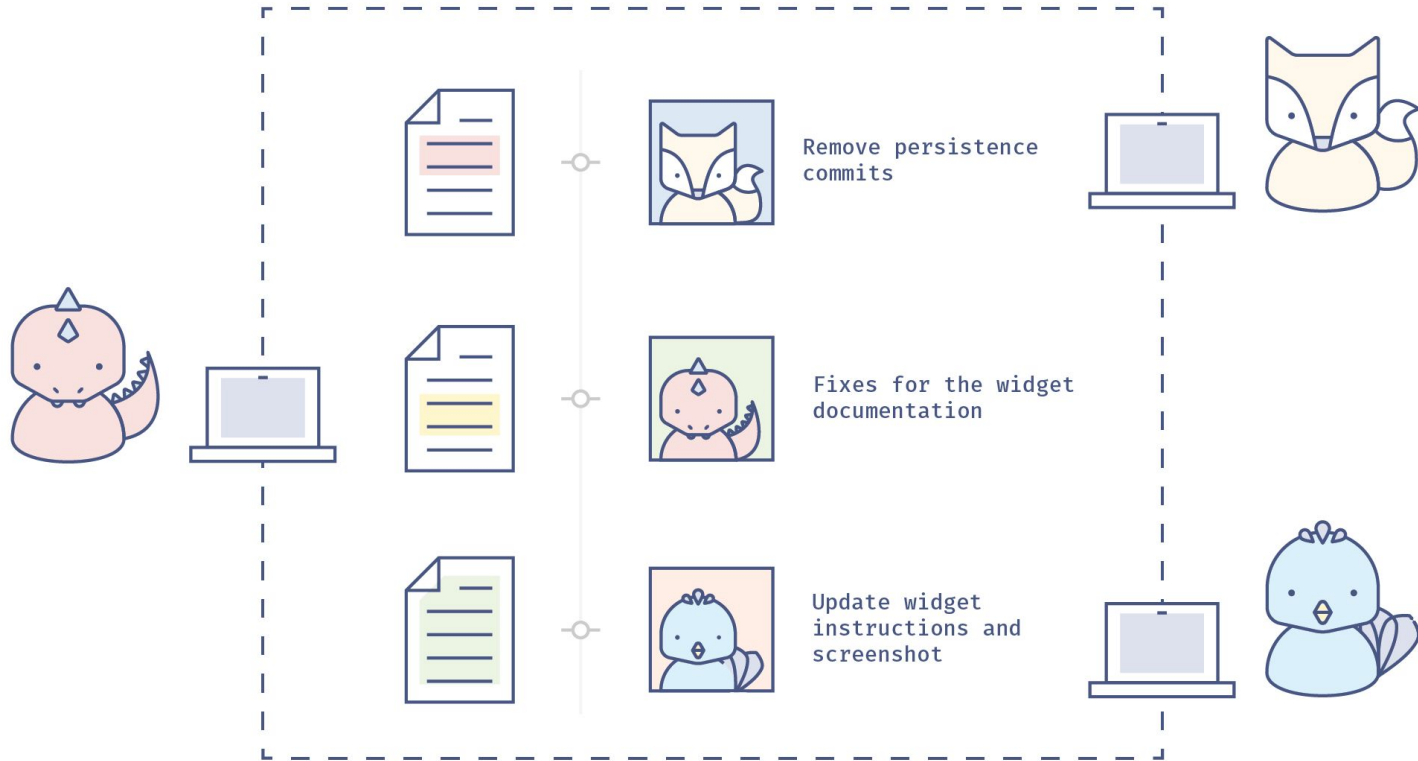
56+ million
Developers

3+ million
Organizations

100+ million
Repositories

72%
Fortune 50

Collaboration on GitHub





- **hosts your repositories** (projects) online
- helps you **work with contributors**/collaborators
- provides **web interface** for version control
- it can be used for **project management** and communication
- useful for any project where a group of people are working together

GitHub Exercise 1.

Let's dive in and set up our first repo...

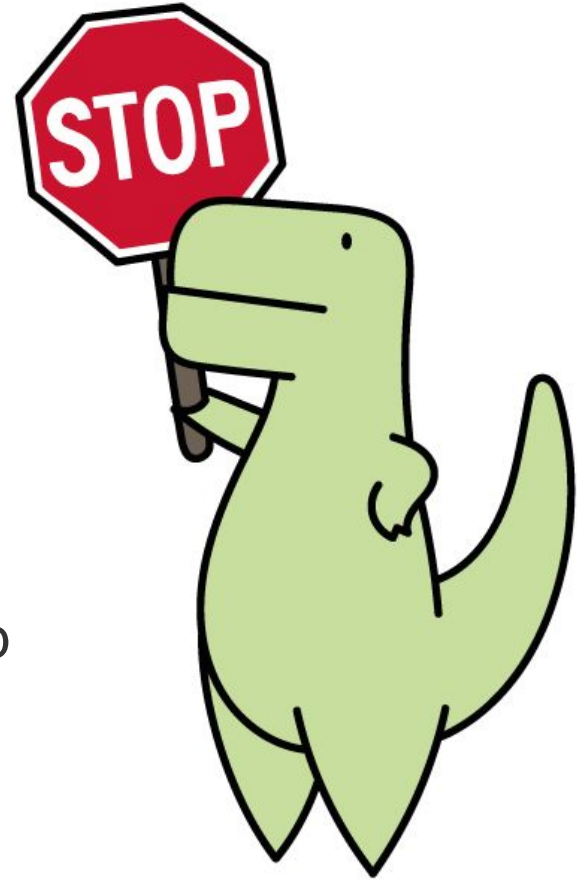


PAUSE!!!

Do you have a GitHub Account?

Go to <https://github.com/>

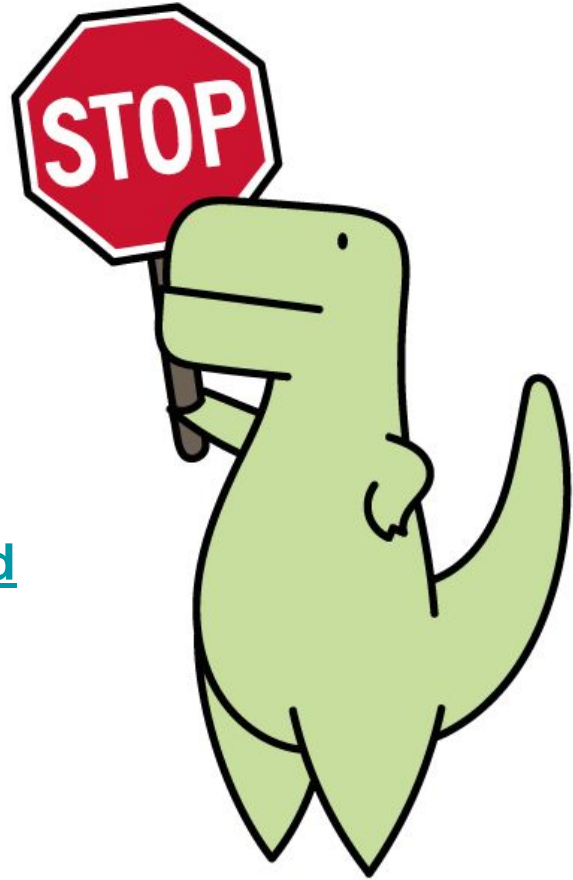
- Create an account using the sign up
- Login



PAUSE!!!

Make sure your GitHub username is
in the EtherPad:

<https://pad.carpentries.org/cc2022-git-good>



Creating a Repo.

Repository (Repo)

A project where all your files are,
online or on your computer

Create a new repository

A repository contains all project files, including the revision history. Already have a project repository elsewhere? [Import a repository.](#)

Repository template

Start your repository with a template repository's contents.

No template ▾

Owner *

 BrainonSilicon ▾

Repository name *

trial-repo ✓

Great repository names are short and lowercase. [trial-repo is available.](#) Need inspiration? How about [potential-broccoli?](#)

Description (optional)

 **Public**

Anyone on the internet can see this repository. You choose who can commit.

 **Private**

You choose who can see and commit to this repository.

Initialize this repository with:

Skip this step if you're importing an existing repository.

Add a README file

This is where you can write a long description for your project. [Learn more.](#)

Add .gitignore

Choose which files not to track from a list of templates. [Learn more.](#)

.gitignore template: None ▾

Choose a license

A license tells others what they can and can't do with your code. [Learn more.](#)

License: None ▾

 You are creating a public repository in your personal account.

Create repository

Creating a Repo.

“trial-repo”



Repository (Repo)

A project where all your files are,
online or on your computer

Create a new repository

A repository contains all project files, including the revision history. Already have a project repository elsewhere? [Import a repository.](#)

Repository template

Start your repository with a template repository's contents.

No template ▾

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 BrainonSilicon ▾

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Great repository names are short and lowercase. **trial-repo is available.** Need inspiration? How about **potential-broccoli**?

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Add .gitignore

Choose which files not to track from a list of templates. [Learn more.](#)

.gitignore template: None ▾

Choose a license

A license tells others what they can and can't do with your code. [Learn more.](#)

License: None ▾

 You are creating a public repository in your personal account.

Create repository

Markdown (.md) for formatting

Markdown is a simple text “markup” language made for quickly writing formatted text

Great for blogs, documentation, and even writing papers.

You may have used it in HackMD.



Markdown (.md) for formatting

Create a README file

- Landing page for your repo
- Information about your project
- List tasks of varying expertise clearly
- Add names/ids of your collaborators
- Invite others with specific skills

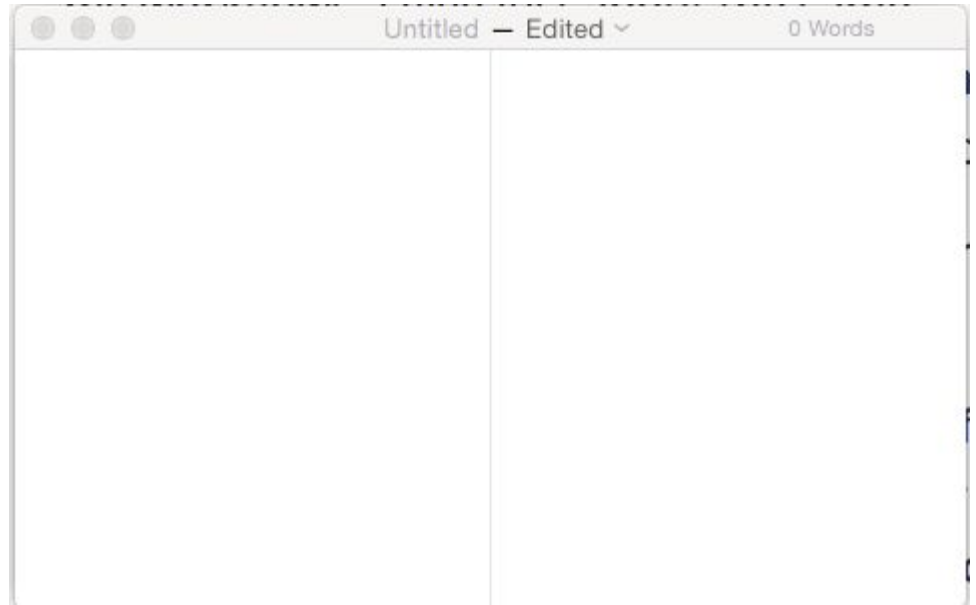
...let's write it in style with Markdown

GitHub Exercise: Creating a README

Write whatever you would like!

- About the project
- Today's date
- A hello world message!

...remember to title your file **README.md** to indicate the markdown file type.



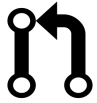
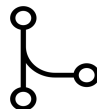


CONGRATS!!

You created your first repo.



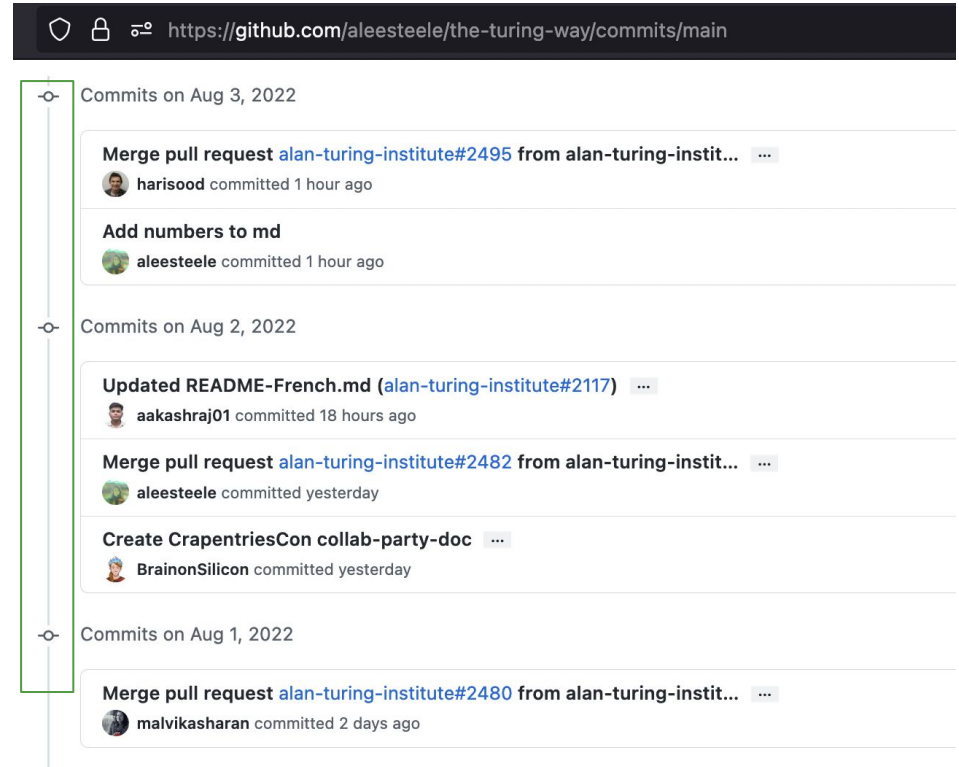
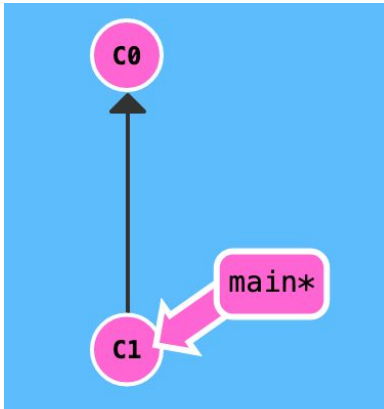
GitHub Vocab

- Commit 
- Branch & Fork 
- Pull request 
- Merge 












Commit

Saving a version of file(s)

- 'commit' changes with message (i.e. 'My first commit')

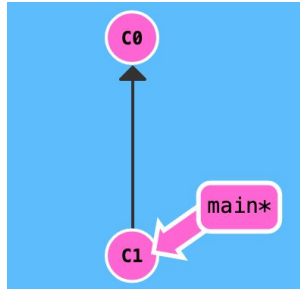
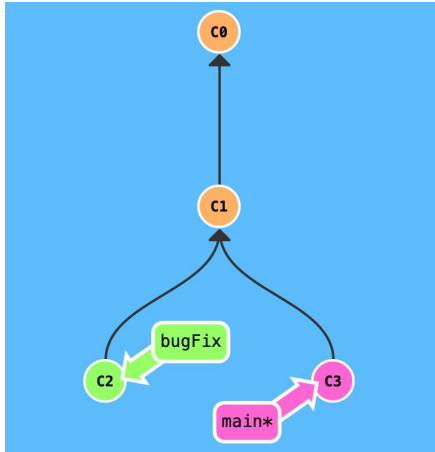


The screenshot shows the GitHub commit history for the repository `aleesteele/the-turing-way` on the `main` branch. The page is divided into sections by date:

- Commits on Aug 3, 2022**
 - Merge pull request [alan-turing-institute#2495](#) from alan-turing-instit... 
  harisood committed 1 hour ago
 - Add numbers to md
  aleesteele committed 1 hour ago
- Commits on Aug 2, 2022**
 - Updated README-French.md ([alan-turing-institute#2117](#)) 
  aakashraj01 committed 18 hours ago
 - Merge pull request [alan-turing-institute#2482](#) from alan-turing-instit... 
  aleesteele committed yesterday
 - Create CrapentriesCon collab-party-doc 
  BrainonSilicon committed yesterday
- Commits on Aug 1, 2022**
 - Merge pull request [alan-turing-institute#2480](#) from alan-turing-instit... 
  malvikasharan committed 2 days ago

Branch & Fork

- **Branch:** pointers to a specific commit in **your** repo, temporary places to work through a feature ← you have **write** access



friendly-collab-party / README.md in main

<> Edit file Preview

```
1 # Friendly Collab Party
2
3 This is my test repository.
4
5 This sentence is being added to test making branch on my own repo.
6
```

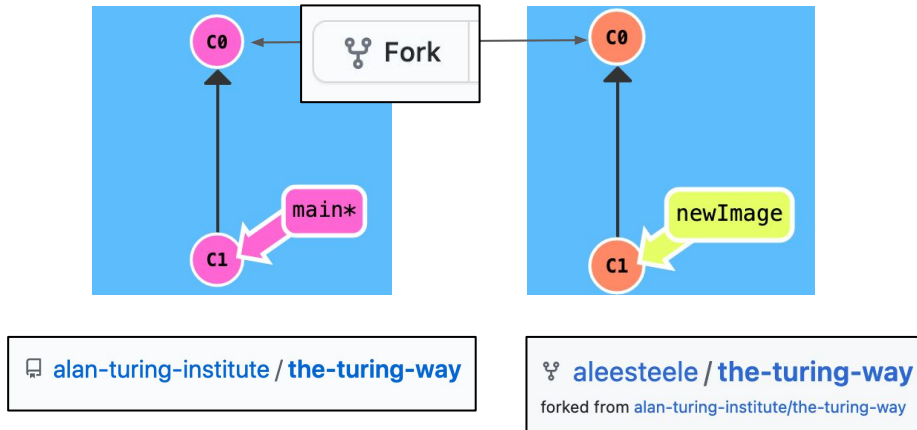
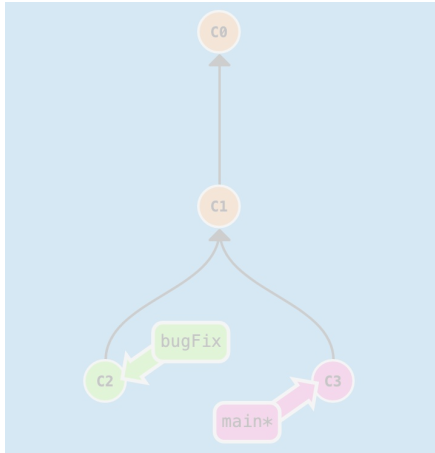
Commit directly to the main branch.

Create a new branch for this commit and start a pull request. [Learn more](#)

Propose changes Cancel

Branch & Fork

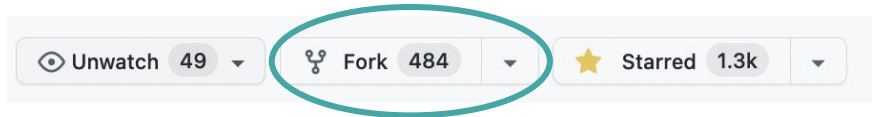
- **Branch:** pointers to a specific commit in **your** repo, temporary places to work through a feature ← you have **write** access
- **Fork:** copy of repo that is an entirely **independent repo** ← no need of write access or intent to merge with the main



Fork & Pull Request.

If you don't own a repo and aren't an official collaborator:

a. you will **Fork a repo**



b. work on your forked copy of the repo

c. ***make a Pull Request for the changes you've made***

d. *author/owner will decide to merge them in.*

e. Make friends + Big party!



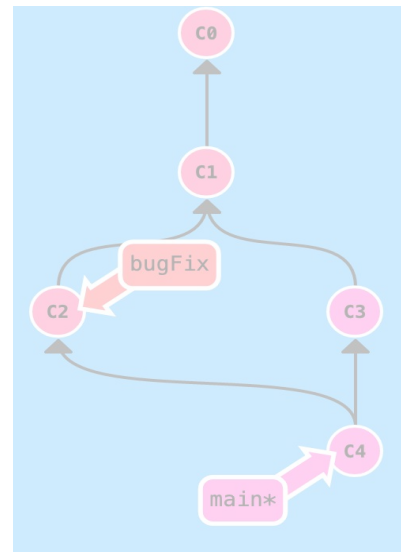
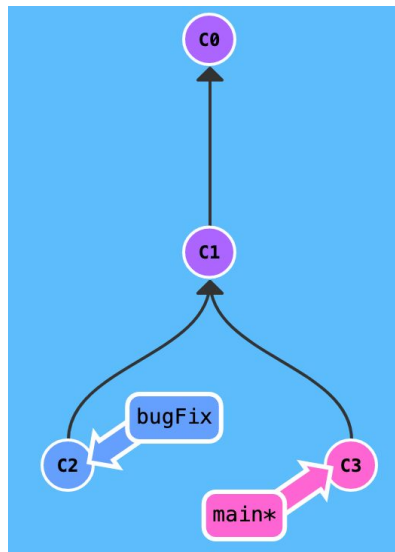
Pull Request & Merge

Pull request

request to add your changes from a branch back into main.

Merge

act of incorporating new changes (commits) from one branch to another.



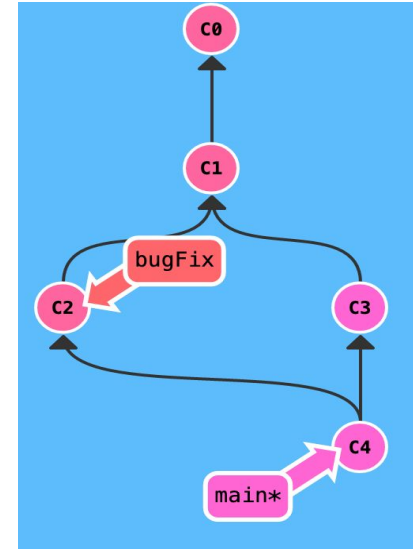
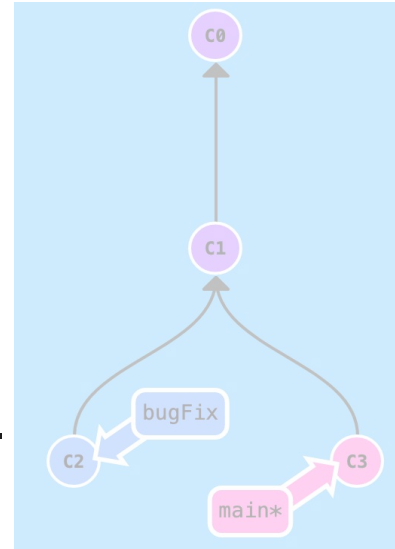
Pull Request & Merge

Pull request

request to add your changes from a branch back into main.

Merge

act of incorporating new changes (commits) from one branch to another.



Pull Request (PR) - 1

Task 1: Edit the file with your details and create a new branch.

[the-turing-way / workshops / github-workshop / 2022-08-04-carpentriescon.md](#)

Git Good Workshop: CarpentriesCon 2022

About

This is a repo for our awesome collaboration workshop called "Git Good" 🐛

Edit this file

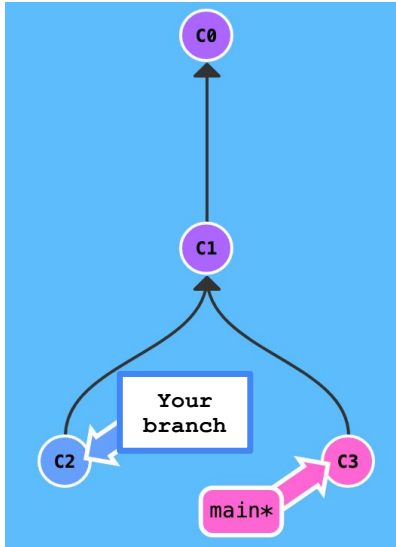
Raw

Blame



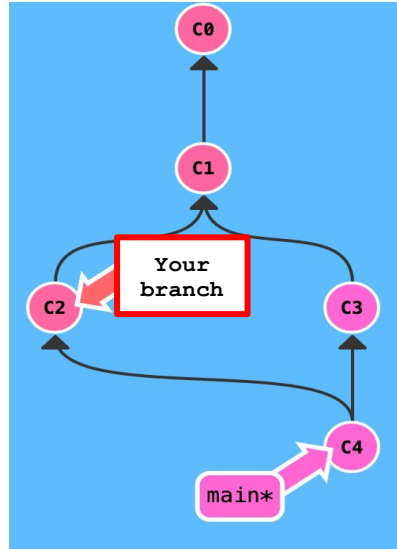
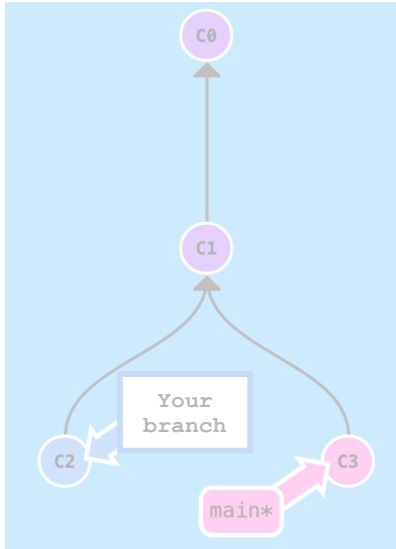
Add your name here

1. Anne Lee Steele
- 2.
- 3.
- 4.
- 5.
- 6.
- 7.
- 8.
- 9.
- 10.



Pull Request (PR) - 2

Task 2: Submit a Pull Request of your branch to main.



The screenshot shows the GitHub interface for pull requests. At the top, there are navigation tabs: Code, Pull requests (selected), Actions, Projects, Wiki, Security, Insights, and Settings. Below the tabs, there are filters: 'is:pr is:open', 'Labels 11', and 'Milestones 0'. A green button labeled 'New pull request' is visible. The main content area shows 'Comparing changes' with a dropdown menu for 'base repository: alan-turing-institute/the-turi...' and 'base: master'. Below this, there is a section for 'CarpentryCon: Sample Pull Request #2497' with a green 'Open' button and a description: 'alestelee wants to merge 1 commit into main from alestelee-patch-2'. The pull request details show 'Conversation 1', 'Commits 1', 'Checks 7', and 'Files changed 1'. The main content of the pull request is a text area with the following text: '- Sample pull request for CarpenteryCon workshop' and '- Corresponds to slide 48'. At the bottom right, there are 'Cancel' and 'Update comment' buttons.

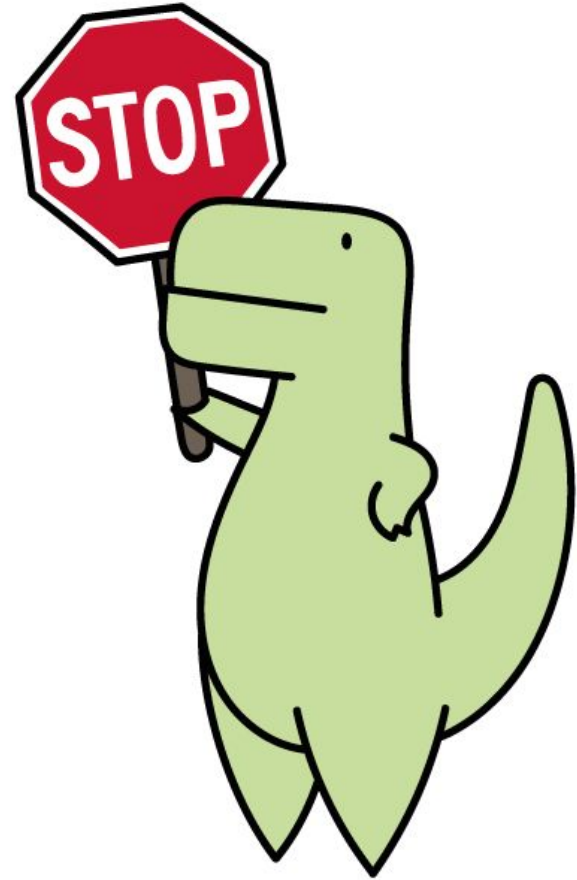
GitHub Exercise 2.

Let's edit a page and submit a Pull Request (PR).

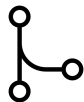


PAUSE!!!

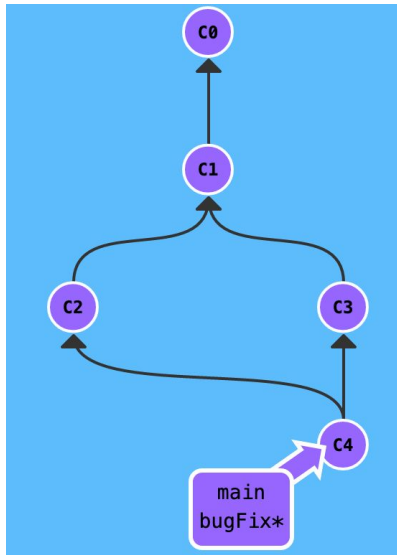
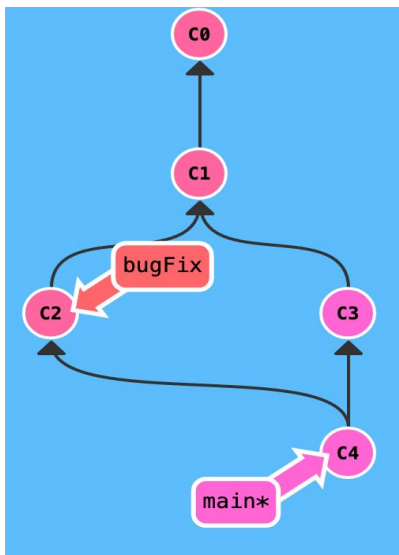
Any questions?



Merge



- **Merge:** combining the work from two different branches together after review



CarpentryCon: Sample Pull Request #2497

[Open](#) aleesteele wants to merge 1 commit into `main` from `aleesteele-patch-2`

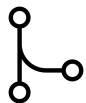
Conversation 1 Commits 1 Checks 7 Files changed 1

aleesteele commented 9 minutes ago · edited

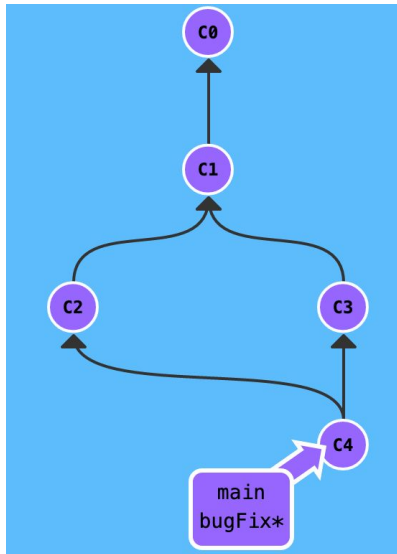
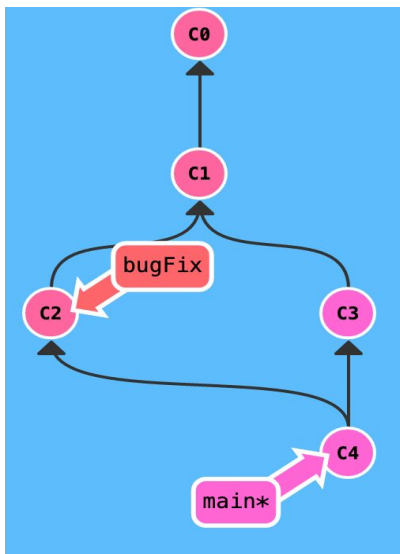
- Sample pull request for CarpentryCon workshop
- Corresponds to slide 48

Conversation 1 Commits 2 Checks 13 **Files changed 1**

Merge



- **Merge:** combining the work from two different branches together after review



CarpentryCon: Sample Pull Request #2497

[Open](#) aleesteele wants to merge 1 commit into `main` from `aleesteele-patch-2`

Conversation 1 - Commits 1 - Checks 7 - Files changed 1



aleesteele commented 9 minutes ago · edited

Member

- Sample pull request for CarpentryCon workshop
- Corresponds to slide 48

Conversation 1 - Commits 2 - Checks 13 - Files changed 1

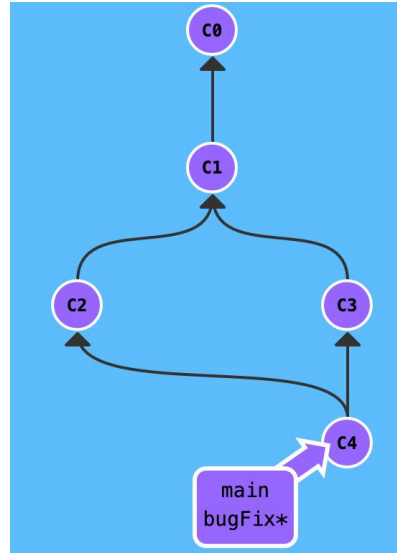
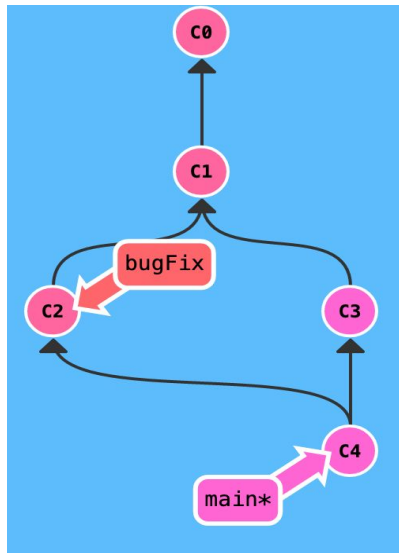
```
workshops/github-workshop/2022-08-04-carpentriescon.md
@@ -3,6 +3,8 @@
3 3  ## About
4 4  This is a repo for our awesome collaboration workshop called "Git Good" :tada:
5 5
6 + The link to this page can be found here: https://github.com/alan-turing-institute/the-turing-way/blob/main/workshops/github-workshop/2022-08-04-carpentriescon.md
7 +
```

Review: Demo

```
week-05/week-05-notes.md
@@ -49,7 +49,7 @@ we will give you a short 1.5 hour GitHub tutorial:
49  ## Roll call: The session facilitators will add your name before you edit it.
50
51  - *Name / Icebreaker question: Share something from nature that has awed you or
  brought you joy recently - perhaps a flower, a view, a photo, a scent, a potted
  plant, a bird that flew past...*
52  - * Name 1 /
53  * Name 2 /
54  * Name 3 /
55  * Name 4 /






+ * Malvika / Birds chirping
53  * Name 2 /
54  * Name 3 /
55  * Name 4 /
```

Users with **write**
access can
approve and
merge PRs



Review changes

Finish your review

Write Preview H B I  < >   @  

This looks correct.

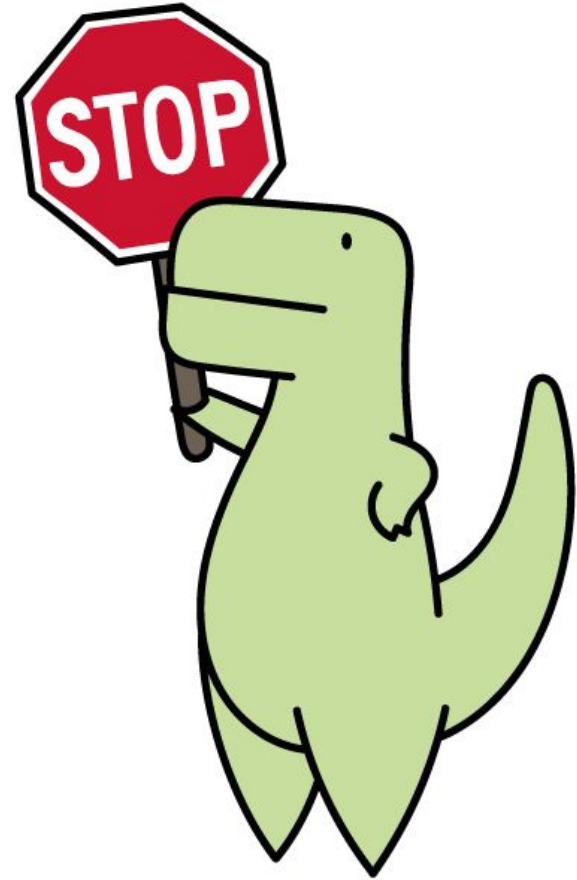
Attach files by dragging & dropping, selecting or pasting them.

- Comment**
Submit general feedback without explicit approval.
- Approve**
Submit feedback and approve merging these changes.
- Request changes**
Submit feedback that must be addressed before merging.

Submit review

PAUSE!!!

Any questions?

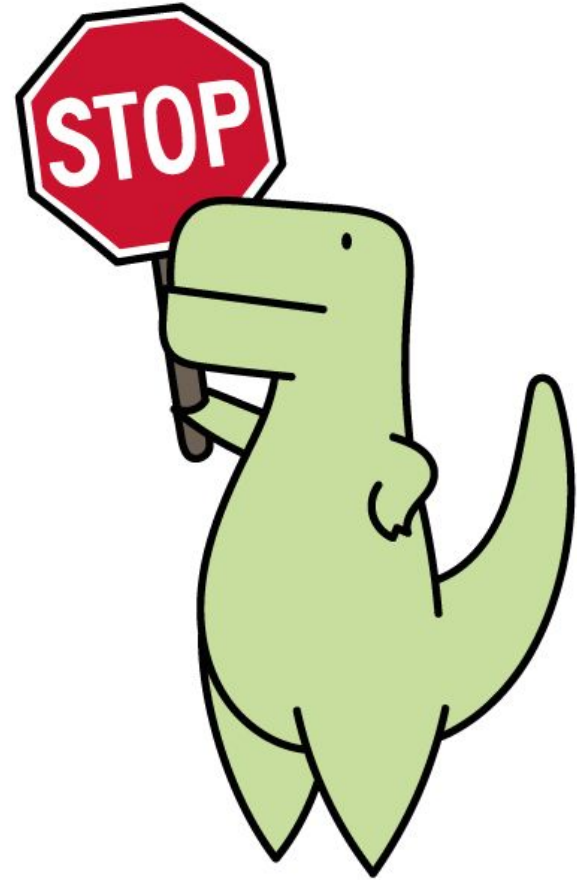


Let's Take a Break
See you in 05:00 Minutes

<https://cuckoo.team/ttw-carpentrycon>

PAUSE!!!

MERGE CONFLICT!!



What we've done so far...

- Introduction to using Github
 - Collaborative Documentation
 - Version Control, Git
 - Markdown format
 - Commit, Branch & Fork, Pull Request, Merging and Merge conflict.
- Making your first repository
- Merged your first pull request! 🚀



Overview



1. What is *The Turing Way*?
2. Github Workshop
- 3. Contributing to *The Turing Way***
4. Celebrations

You should have received an invite to the repository!



Contributing to Open Source Projects

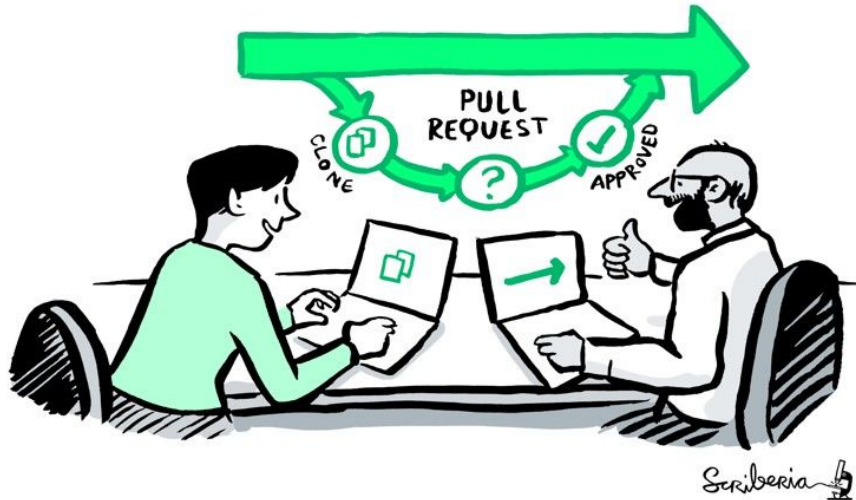
It's *hard work!*

What is your experience with contributing to open source projects?



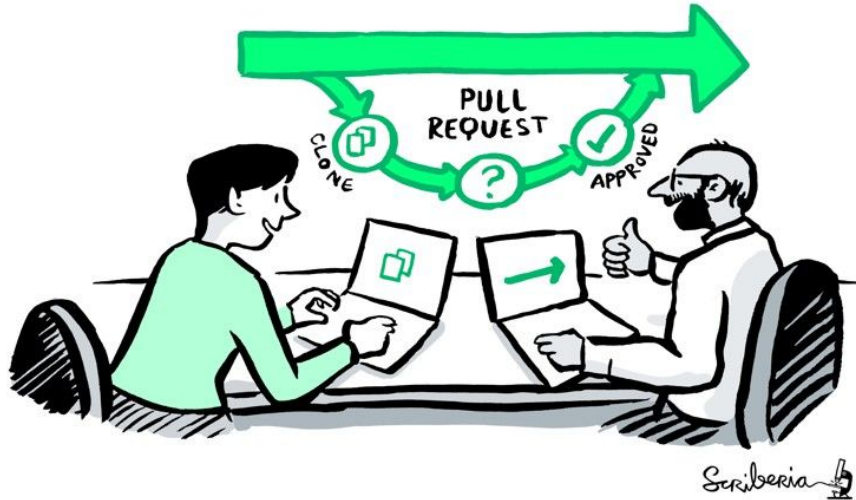
Issue vs Pull Request (PR)

- With a **issues**, you can **propose ideas for possible changes**, and invite discussions before you **make a PR** (or do something else).
- With a **pull request**, you can **propose changes**, discuss, and iterate on before you **merge** the changes into the project.

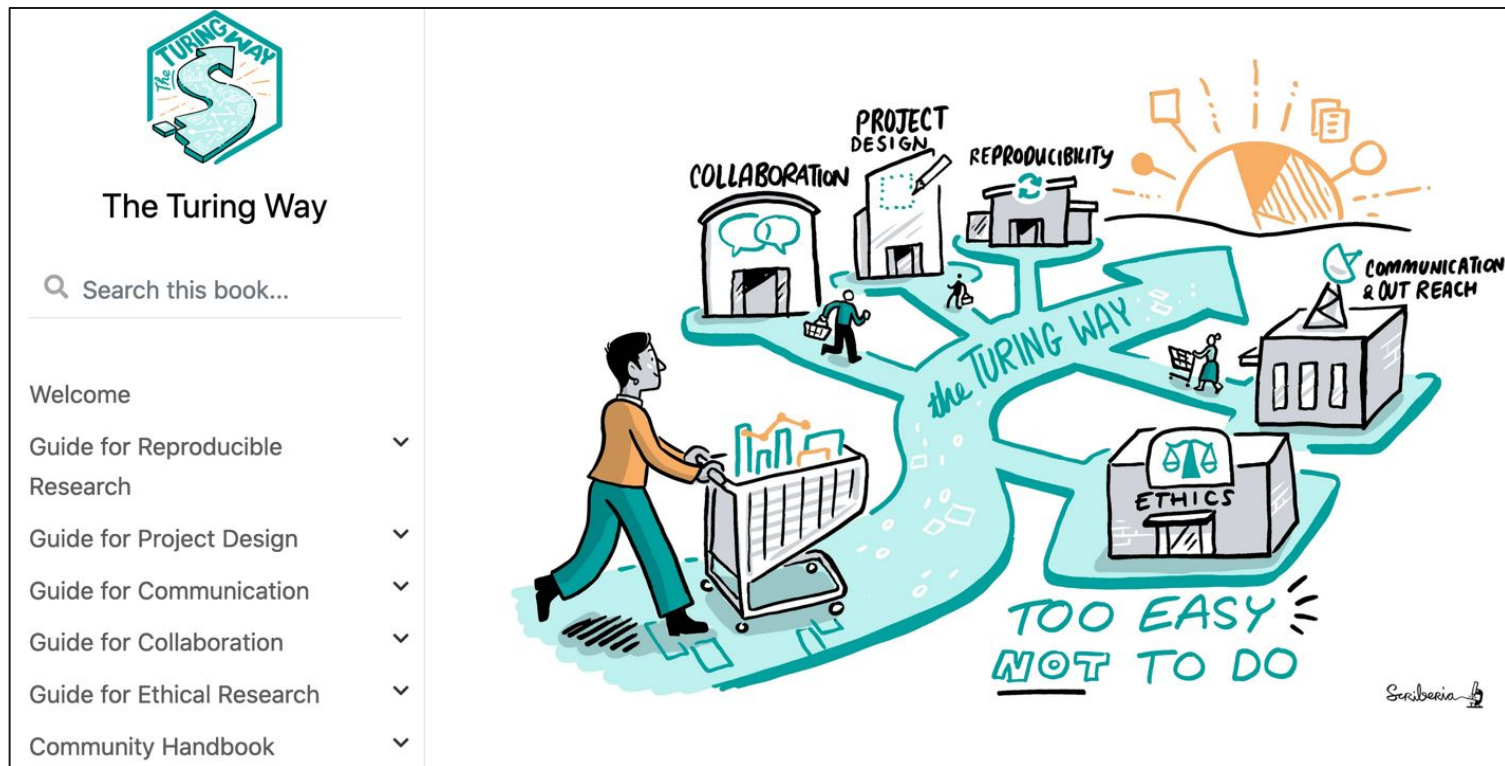


Using Issue & PR Features

- Different **contributors can see** what you are working on and offer help, share thoughts or learn from your work.
- Provide sufficient details, respond patiently, accept constructive feedback and **invite collaboration**.



Contributing to *The Turing Way*



The screenshot shows the 'The Turing Way' website interface on the left and a conceptual illustration on the right. The website interface includes the logo, a search bar, and a navigation menu with the following items: Welcome, Guide for Reproducible Research, Guide for Project Design, Guide for Communication, Guide for Collaboration, Guide for Ethical Research, and Community Handbook. The illustration depicts a large blue arrow labeled 'the TURING WAY' pointing right. A man in an orange shirt and teal pants is pushing a shopping cart filled with books and a bar chart. The cart is moving along the arrow. Various icons and buildings represent different aspects of the Turing Way: 'COLLABORATION' (speech bubbles), 'PROJECT DESIGN' (building with a pencil), 'REPRODUCIBILITY' (building with a refresh icon), 'ETHICS' (scales of justice), and 'COMMUNICATION & OUT REACH' (building with a satellite dish). A sun with rays is in the background. The text 'TOO EASY NOT TO DO' is written in large, bold letters at the bottom right of the illustration. The artist's signature 'Scriberia' is in the bottom right corner.

The Turing Way

Search this book...

Welcome

Guide for Reproducible Research

Guide for Project Design

Guide for Communication

Guide for Collaboration

Guide for Ethical Research

Community Handbook

COLLABORATION

PROJECT DESIGN

REPRODUCIBILITY

ETHICS

COMMUNICATION & OUT REACH

the TURING WAY

TOO EASY NOT TO DO

Scriberia

The Turing Way: Github Repository

We will be editing this together!

Folder	Commit Message	Time Ago
.github	Add workflow_dispatch trigger to release-drafter.yml	2 months ago
README-translated	Updated README-French.md (#2117)	19 hours ago
book	Update Contributors Record	5 days ago
communications	Merge pull request #2357 from alan-turing-institute/may-newslette...	23 days ago
conferences	[MNT] Update links and references from master to main branch	10 months ago
open-life-science-mentoring	Update README.md	8 months ago
project_management	Merge pull request #1735 from alan-turing-institute/tps-report-2020	2 months ago
tests	Update configuration for Yaml parser	2 months ago
workshops	Add numbers to md	2 hours ago

Contributors 242
+ 231 contributors

Languages
HTML 99.4% Other 0.6%

The Turing Way
This README.md file is also available in Dutch (README-Dutch), French (README-French.md), German (README-German.md), Indonesian (README-Indonesian), Italian (README-Italian), Korean (README-Korean), Portuguese (README-Portuguese), and Spanish (README-Spanish) (listed alphabetically).

The Turing Way: Github Repository

The screenshot shows the Github repository page for 'alan-turing-institute / the-turing-way'. The repository is public and has 94 branches and 8 tags. A recent merge pull request #2495 is visible. The file list includes various documentation files, with several highlighted by blue boxes and arrows pointing to explanatory text on the left.

File Name	Description	Last Commit
.all-contributorsrc	docs: update .all-contributorsrc	9 days ago
.gitignore	Adding pycharm file to gitignore, and add structure and comments. ...	2 years ago
.zenodo.json	update release data	8 days ago
CITATION.cff	update release data	8 days ago
CODE_OF_CONDUCT.md	Fix link in table of contents	17 months ago
CONTRIBUTING.md	anne info to contributors page and other edits	last month
GOVERNANCE.md	Change the reference to acknowledging chapter	2 years ago
LICENSE.md	Fix typo in licence	3 years ago
README.md	docs: update README.md	9 days ago
collaborating_projects.md	add RAMs to ways of working	8 months ago
contributors.md	Update contributors.md	23 days ago
netlify.toml	Update netlify ignore condition	13 months ago
release-workflow.md	update release data	8 days ago
ways_of_working.md	Added name to project members	3 months ago

Community standards → CODE_OF_CONDUCT.md


Learn more about contributing to the project → CONTRIBUTING.md

Learn more about the project here → README.md

Community contributors → contributors.md

The Turing Way

This README.md file is also available in Dutch (README-Dutch), French (README-French.md), German (README-German.md), Indonesian (README-Indonesian), Italian (README-Italian), Korean (README-Korean), Portuguese (README-Portuguese), and Spanish (README-Spanish) (listed alphabetically).



Contributing to *The Turing Way*: Issues

alan-turing-institute / the-turing-way Public

Edit Pins Unwatch 49 Fork 484 Starred 1.3k

<> Code Issues 425 Pull requests 71 Discussions Actions Projects 5 Security Insights Settings

Filters is:issue is:open label:carpentrycon22 Labels 65 Milestones 0 New issue

Clear current search query, filters, and sorts

<input type="checkbox"/>	<input checked="" type="radio"/> 10 Open	<input type="radio"/> 0 Closed	Author	Label	Projects	Milestones	Assignee	Sort
<input type="checkbox"/>	<input checked="" type="radio"/>							
<input type="checkbox"/>	<input checked="" type="radio"/>							
<input type="checkbox"/>	<input checked="" type="radio"/>							
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<input type="checkbox"/>	<input checked="" type="radio"/>							
<input type="checkbox"/>	<input checked="" type="radio"/>							

Contributing to *The Turing Way*: Making a Pull Request

'After the Book Dash' subchapter: update Gitter channel to Slack workspace #2494

aleesteel commented 4 hours ago · edited · Member

A Beginner's Guide to Contributing to *The Turing Way*

This is a guide for getting started with contributing to The Turing Way during CarpentryCon 2022. We're so glad to have you here! 🎉

Below you'll find some instructions for contributing to the project. If you have any questions, please let @aleesteel, @harisood, or @BraininSilicon know on Zoom so that we can assist you.

Guide to Contribution

In the [Book Dash Events](#) subchapter, the link to the Gitter workspace needs to be updated to the Slack workspace.

- Visit this part of the repository: <https://github.com/alan-turing-institute/the-turing-way/blob/main/book/website/community-handbook/bookdash/bookdash-after.md>
- Search for statement:
- "Everyone is welcome to join our Gitter channel for informal discussions."
- Click 'Edit this file' to correct the wording.

Suggested Correction:

"Everyone is welcome to join our [Slack workspace](#) for informal discussions."

- Use Markdown format to correct the wording on the page: `Everyone is welcome to join our Slack workspace (https://theturingway.slack.com/) for informal discussions.`
- Click 'Preview' to check that the changes look the way you'd like them too!
- Click on 'Propose changes'; edit the title and the description of the issue to describe your update to the community.
- Add a description of your pull request. Don't forget to tag this issue number using a # in the description. You can find the issue number next to the title of this issue (this one of [After the Book Dash' subchapter: update Gitter channel to Slack workspace #2494](#)).
- A reviewer will review your pull request, and ask you if you need to make any changes before it can be approved.
- There are a number of checks your project will undergo: to check for merge conflicts, inclusive language, and formatting issues. Wait until those checks are complete before merging.
- Once your pull request is approved and the checks are complete, you can merge your change into the repository! 🎉

Issue



Propose changes

Update slack information + link

Add an optional extended description...

aleesteel@turing.ac.uk

Choose which email address to associate with this commit

You can't commit to `main` because it is a `protected branch`.

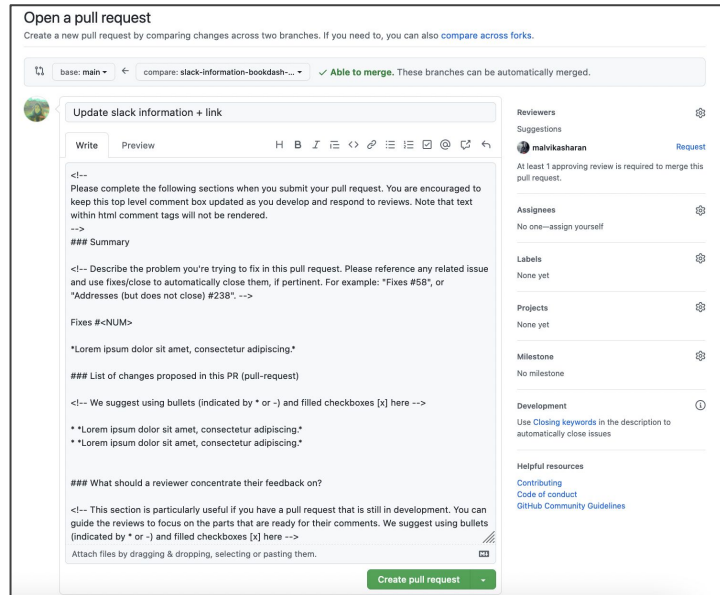
Create a new branch for this commit and start a pull request. [Learn more about pull requests.](#)

slack-information-bookdash-page

Propose changes Cancel

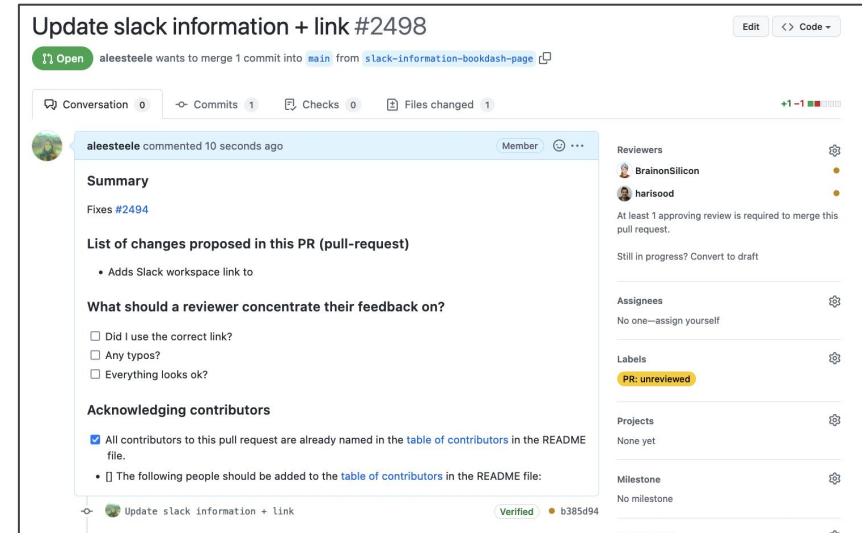
Propose Changes

Contributing to *The Turing Way*: Making a Pull Request



The screenshot shows the GitHub interface for creating a pull request. The title is "Update slack information + link". The main text area contains a template for a pull request description, including sections for a summary, a list of changes proposed, and feedback instructions. The right sidebar shows settings for reviewers, assignees, labels, projects, milestones, and development. A green "Create pull request" button is at the bottom right.

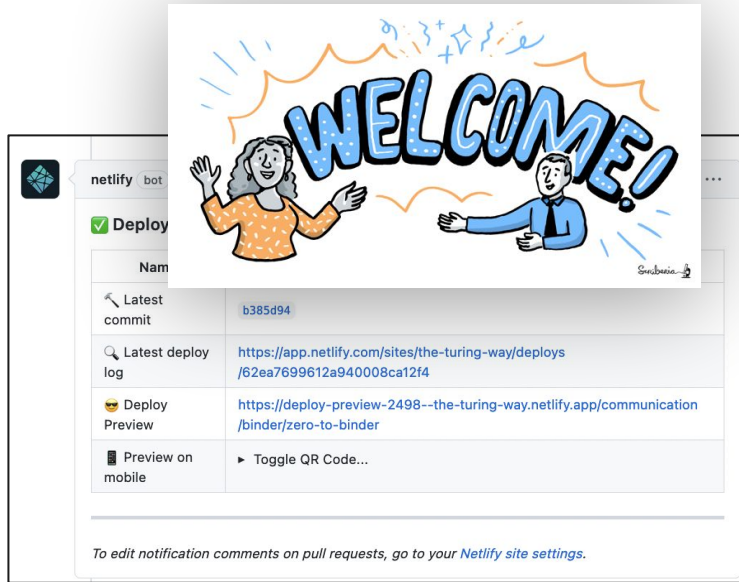
Draft Pull Request



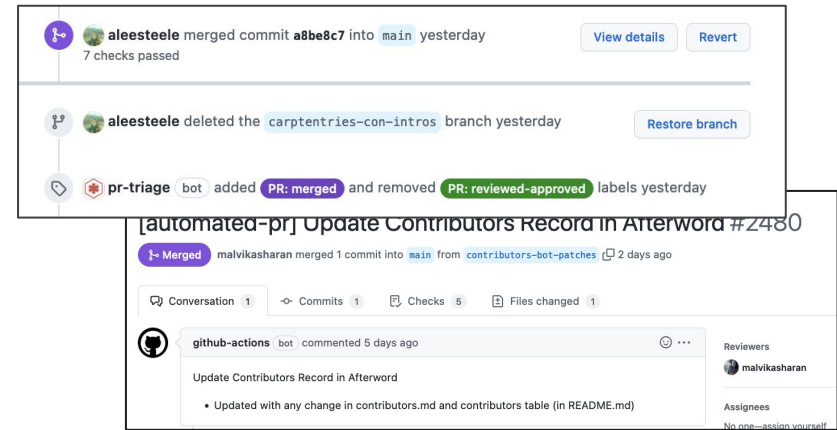
The screenshot shows the GitHub pull request page for "Update slack information + link #2498". The page is titled "aleesteele wants to merge 1 commit into main from slack-information-bookdash-page". It shows a conversation with a comment from "aleesteele" 10 seconds ago. The pull request has a "Summary" section with a "Fixes #2494" link. Below the summary is a "List of changes proposed in this PR (pull-request)" section with a bullet point: "Adds Slack workspace link to". There is also a "What should a reviewer concentrate their feedback on?" section with three checkboxes: "Did I use the correct link?", "Any typos?", and "Everything looks ok?". The "Acknowledging contributors" section has a checked box for "All contributors to this pull request are already named in the table of contributors in the README file." and a bullet point for adding contributors to the README file. The right sidebar shows reviewers "BrainonSilicon" and "harisood", and a "PR: unreviewed" label.

Create Pull Request

Contributing to *The Turing Way*: Issues & Pull Requests



The screenshot shows a Netlify deployment interface. At the top, there is a large, colorful illustration with the word "WELCOME!" in blue, bubbly letters. Two cartoon characters, a woman in an orange patterned shirt and a man in a blue suit, are standing on either side of the text. Below the illustration, the Netlify interface is visible, showing a "Deploy" button with a green checkmark, a "Latest commit" section with the hash "b385d94", and a "Latest deploy log" section with a URL: <https://app.netlify.com/sites/the-turing-way/deployments/62ea7699612a940008ca12f4>. There is also a "Deploy Preview" section with a URL: <https://deploy-preview-2498--the-turing-way.netlify.app/communication/binder/zero-to-binder>. At the bottom, there is a link to "Toggle QR Code...".



The screenshot shows a GitHub pull request history and details. The history includes:

- aleesteele merged commit a8be8c7 into main yesterday (7 checks passed) [View details] [Revert]
- aleesteele deleted the carpentries-con-intros branch yesterday [Restore branch]
- pr-triage bot added PR: merged and removed PR: reviewed-approved labels yesterday

The details section shows a pull request titled "[automated-pr] Update Contributors Record in Afterword #2480" merged by malvikasharan 2 days ago. The commit message is "Update Contributors Record in Afterword" and the description is "Updated with any change in contributors.md and contributors table (in README.md)". The reviewer is malvikasharan.

Review Pull Request

Merge changes!

Contributing to *The Turing Way*: DEMO!

Session 1:

<https://github.com/alan-turing-institute/the-turing-way/issues/2494>

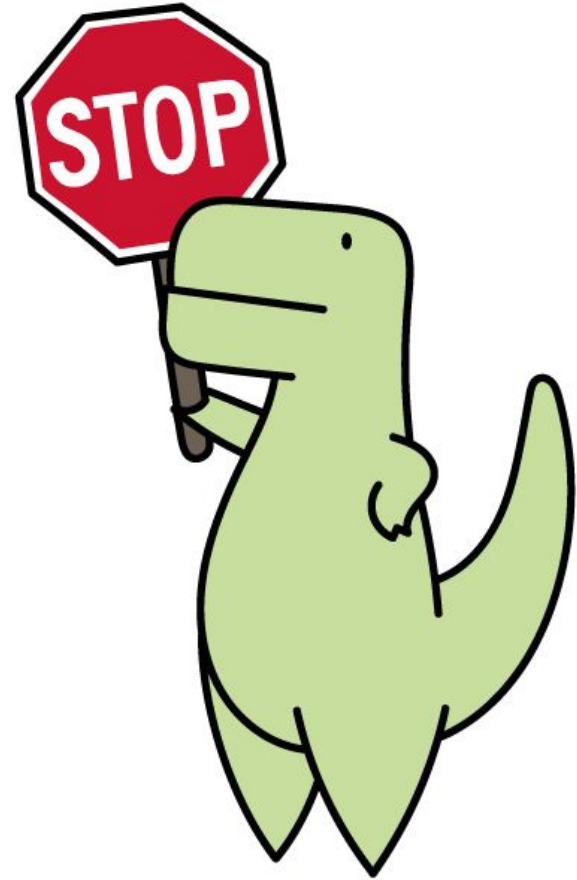
Session 2:

<https://github.com/alan-turing-institute/the-turing-way/issues/2493>



PAUSE!!!

Any questions?



Let's dive in!

<https://pad.carpentries.org/cc2022-git-good>

- You'll each be added to a **breakout room in groups**: your breakout room number is on the etherpad
- There is **one issue** assigned to each room
- Have a go at resolving the issues! We'll be rotating through the rooms if you get stuck

If you finish early, feel free to find an issue you're interested in working on: and get started!



Tips for the breakout rooms:

<https://pad.carpentries.org/cc2022-git-good>

- Add a comment to the issue with who is working on it (remember to add their Github usernames with an @ sign!)
- 1 person making the PR
- Link the associated issue

Main room: for anyone who missed a part of the workshop!

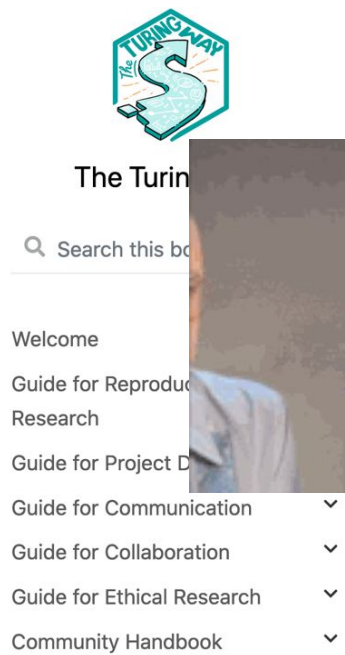


Overview



1. What is *The Turing Way*?
2. Github Workshop
3. Contributing to *The Turing Way*
- 4. Celebrations**

So you've learned how to contribute to an open source project...



What we've accomplished

- Introduction to Github
- Made first repository!
- Contributed to **2 repositories!**
- Fixings bugs in *The Turing Way!*

🎉 Congratulations! 🎉



Next steps

- This week, we'll be reviewing your pull requests:
 - Tags for 'all-contributors' bot
 - Reviewing + accepting changes (and fixing any merge conflicts!)
 - Remember to login + accept your merge requests
- Adding you to the contributor table:
<https://github.com/alan-turing-institute/the-turing-way#contributors>

Keep in touch with The Turing Way community!



Join a Community Event

- *Collaboration Cafes*
 - 1st & 3rd Wednesdays (14:00 UTC)
- *Coworking Calls*
 - Mondays (10:00 UTC)
- *Fireside Chats*
- *Book Dash*
- *Community Share-out*

bit.ly/turingway



Scriberia 

Get involved with the community

- Slack workspace
- PR / Issue on Github
- Community events

bit.ly/turingway

<https://zenodo.org/record/3332807>

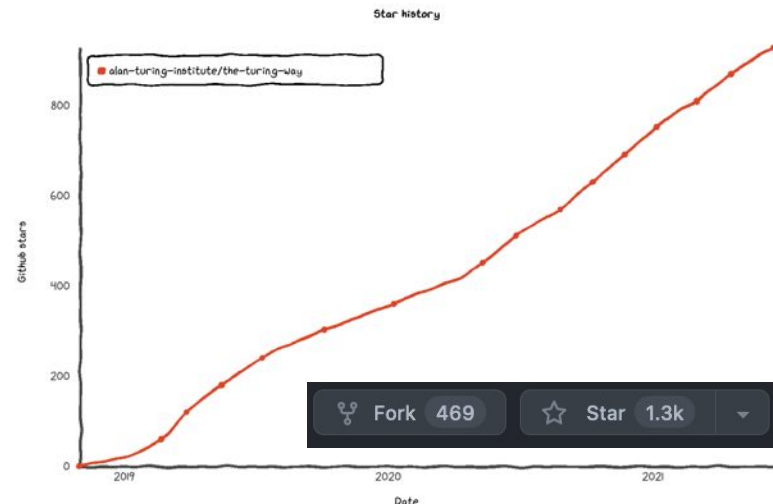


8,921

views

11,048

downloads



Acknowledgements:

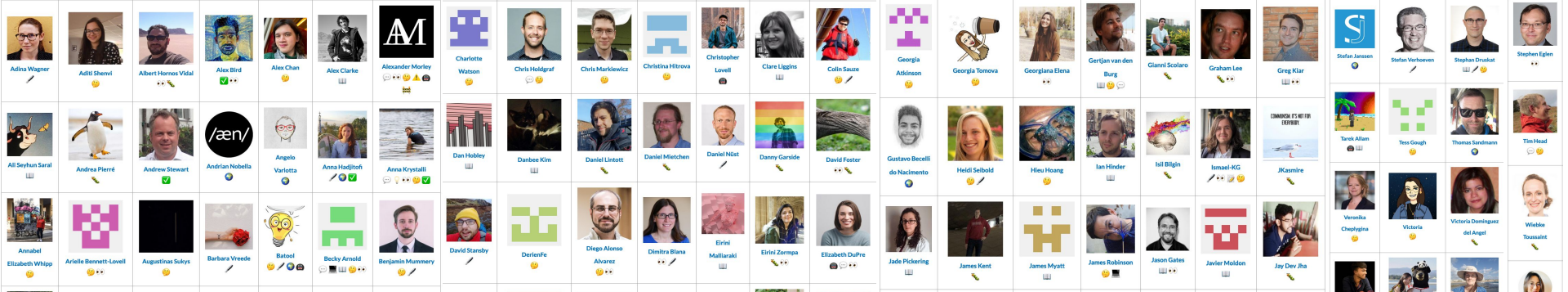
- Kirstie Whitaker, Malvika Sharan, *The Turing Way* community, friends & collaborators
- GitHub workshop based on [Friendly GitHub Intro by Kirstie Whitaker](#) & [GitHub Collaborating Document by Malvika Sharan](#)

Stay in Touch

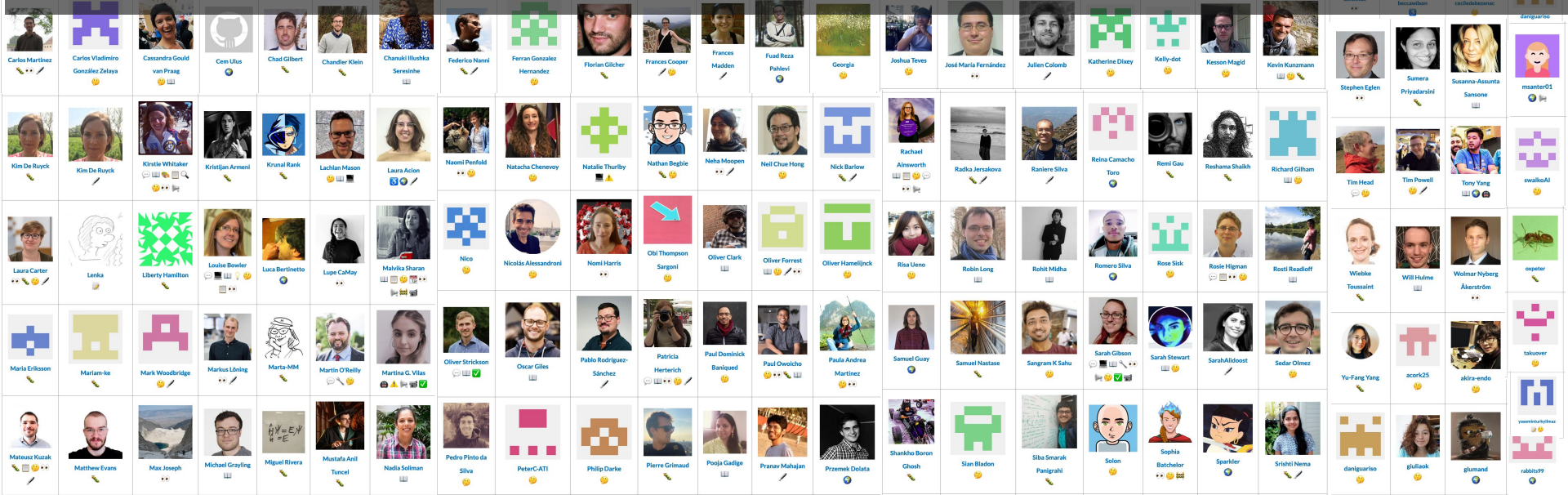
- Book: the-turing-way.netlify.com
- Join Slack: <https://tinyurl.com/jointuringwayslack>
- Twitter: twitter.com/turingway
- Newsletter: tinyletter.com/TuringWay
- Mastodon: <https://fosstodon.org/@turingway>
- GitHub: github.com/alan-turing-institute/the-turing-way
- Original artwork by Scriberia: <https://doi.org/10.5281/zenodo.3332807>

**Contact us: e.plomp@tudelft.nl, hsood@turing.ac.uk,
sbatchelor@turing.ac.uk, asteele@turing.ac.uk**





Thanks to our community of contributors & users!



Key Practices for Collaboration

MENTORED CONTRIBUTIONS



Develop & share



Maintain & improve



Share resources



Review and update



Make it global



Share best practices