

**The  
Alan Turing  
Institute**

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**Effective Collaboration in  
a Distributed World**

Sophia Batchelor and Emma Karoune



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# Introductions



**Sophia Batchelor**  
Community Manager  
Alan Turing Institute  
Core Team Member,  
*The Turing Way*



**Emma Karoune**  
Senior Community Manager,  
Alan Turing Institute  
Core Team Member,  
*The Turing Way*

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# Overview

1. What is TPS and *The Turing Way*?
2. Github Introduction
3. Collaborating in Established Projects
4. Next Steps



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# Overview

1. **What is TPS and *The Turing Way*?**
2. Github Introduction
3. Collaborating in Established Projects
4. Next Steps

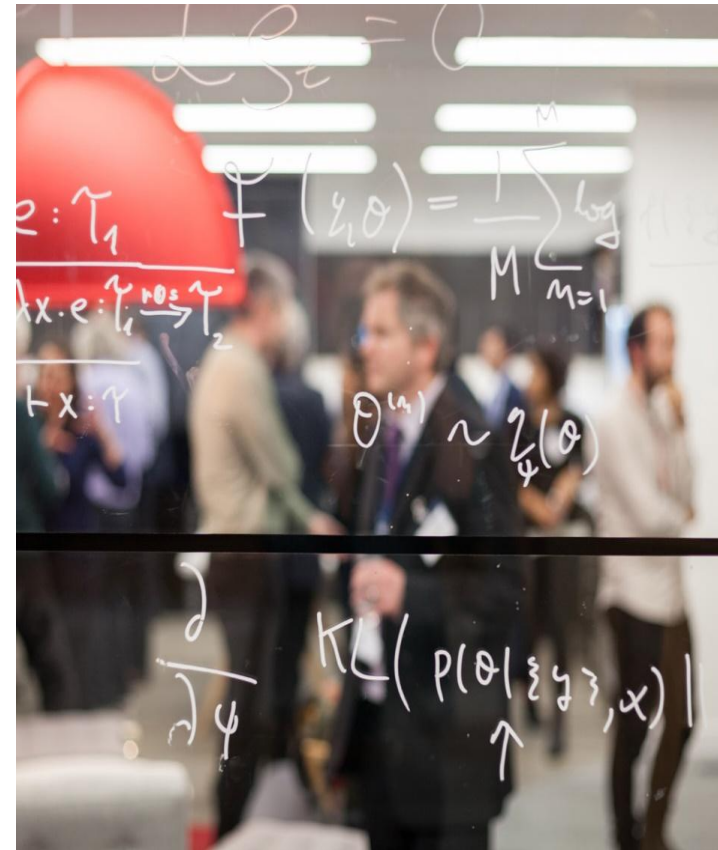




# The Alan Turing Institute

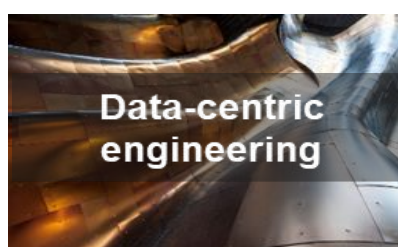
Established in 2015 as the National Institute for Data Science and AI

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



# Research Programmes

Sector  
specific



Cross-  
Cutting



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# Tools, Practices and Systems (TPS)

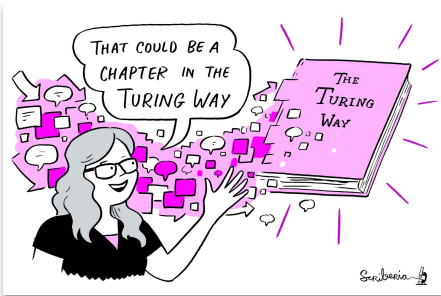
- Trustworthy systems
- Transparent reporting
- Inclusive interoperable design
- Ethical integrity
- Respectful co-creation
- Leadership in open research



# The Turing Way

## An Open Source guide on Data Science

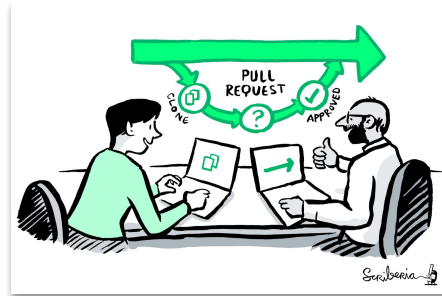
We involve and support a diverse community to make data science reproducible, ethical, collaborative and inclusive for everyone



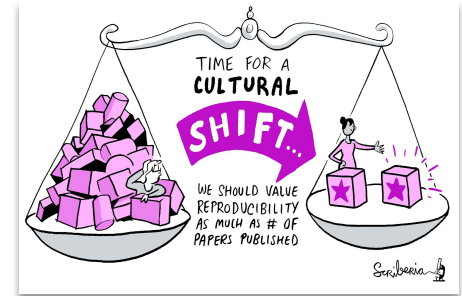
A Book



A Global  
Community



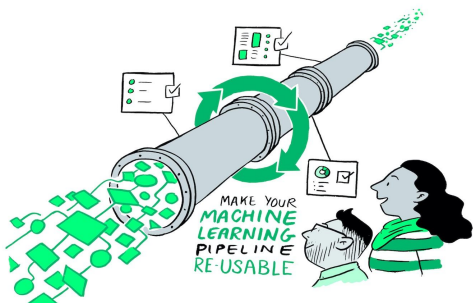
An Open Source  
Project



A Culture of  
Collaboration



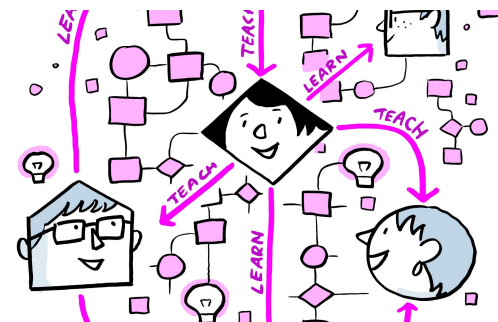
# The Turing Way Guides



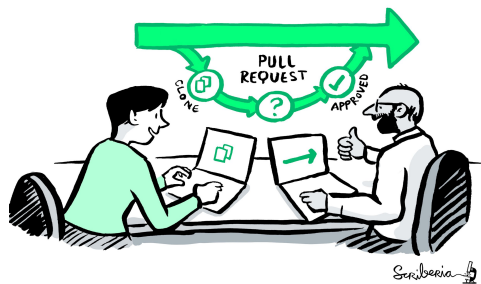
Reproducibility



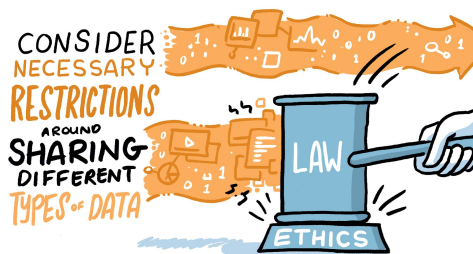
Project Design



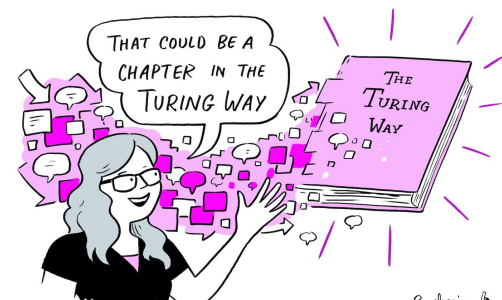
Communication



Collaboration

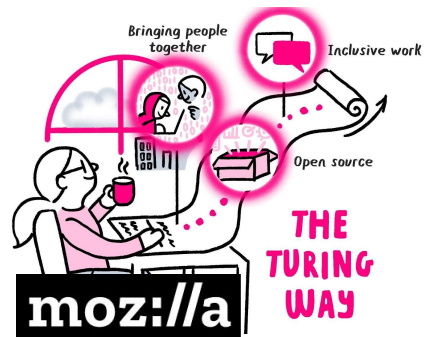


Ethical Research



Community Handbook

# The Turing Way



Proposal by Kirstie Whitaker approved

Create README.md

KirstieJane committed on 1 Nov 2018



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

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



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

2021

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



Logo was designed with Scriberia



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

2019

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

2020

2022

The Alan Turing Institute

# How we practice collaborative research



Tools



Practices



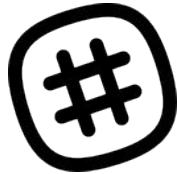
Systems

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# *Collaborative Research: Tools*



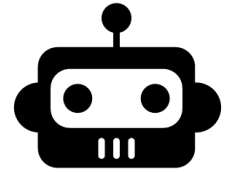
Open Knowledge  
Management



Community  
engagement



Publication &  
citation



Acknowledgement



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# *Collaborative Research: Practices*



**Community  
support**



**Review &  
Verification**



**Maintenance**



**Localisation**

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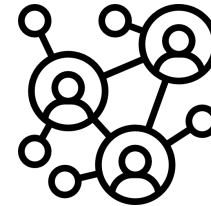
# *Collaborative Research: Systems*



**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

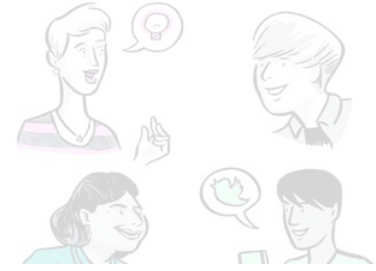


*Develop & share*

FIXING LINKS



*Make it global*



*Share resources*

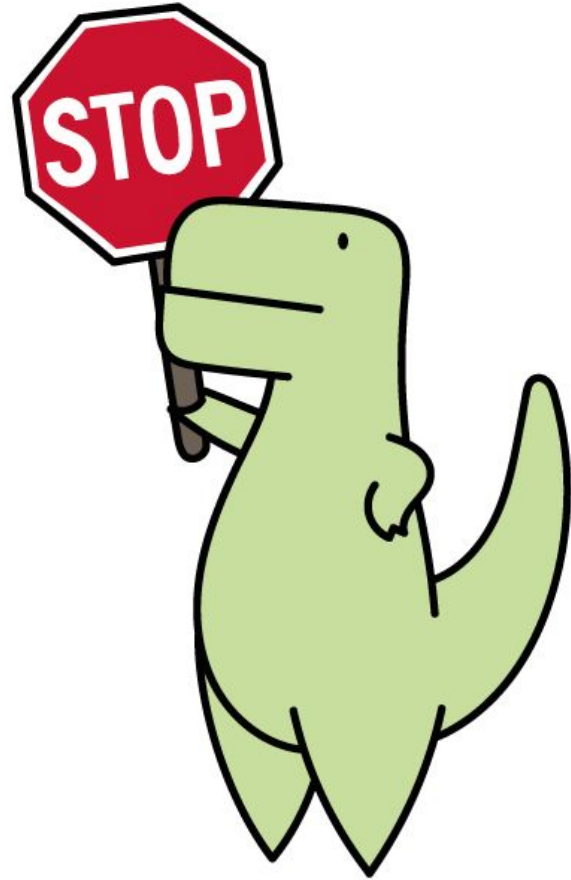


*Review and update*



*Share best practices*

# Any Questions?



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# Overview

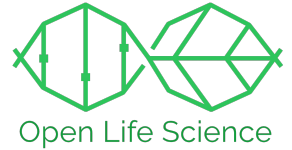
1. What is TPS and *The Turing Way*?
- 2. Github Introduction**
3. Collaborating in Established Projects
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# Let's Git Good:

- 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 a project!



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# Why use GitHub?

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





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# Collaborative Documentation

There are challenges in developing collaborative documents...



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There are challenges in developing collaborative documents...

Asynchronous and conflicting edits, location, time zones, and



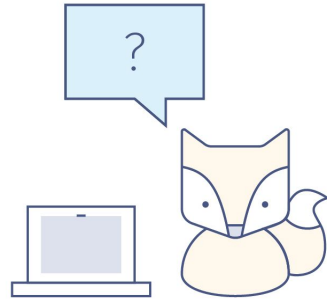
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# Collaborative Documentation

There are challenges in developing collaborative documents...

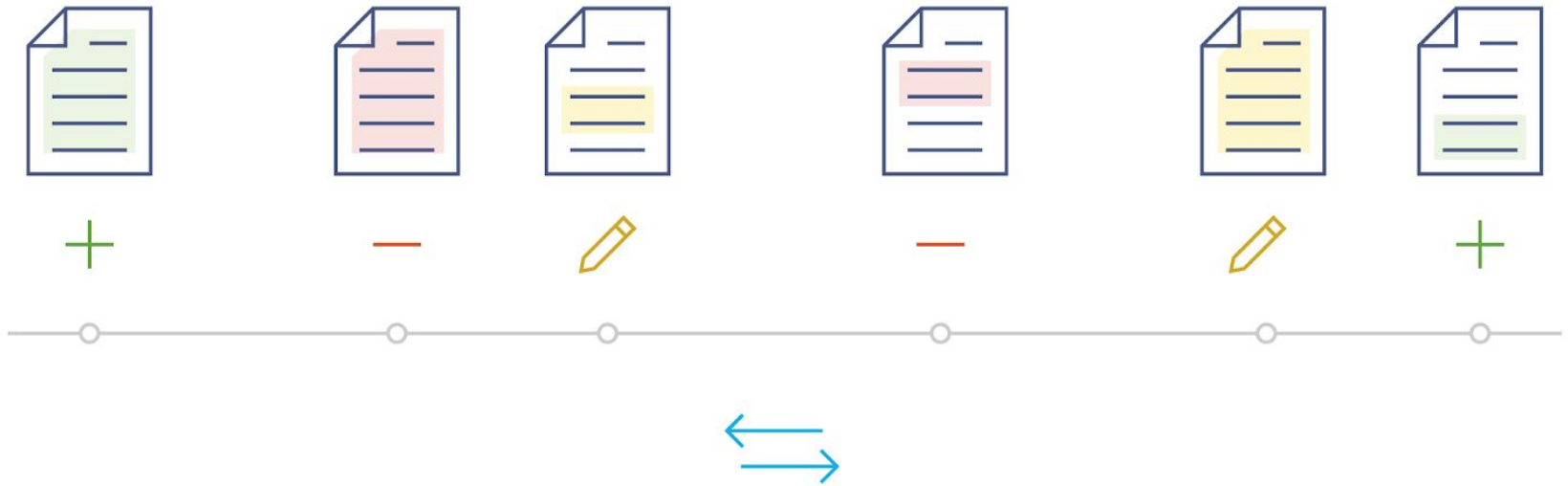
Asynchronous and conflicting edits, location, time zones, and **VERSIONS!**



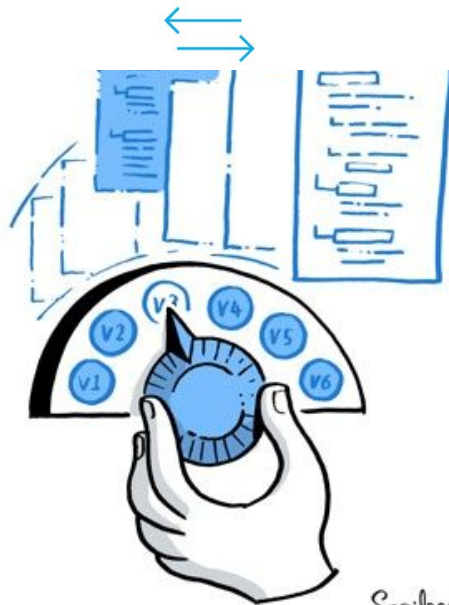


# VERSION CONTROL





# 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

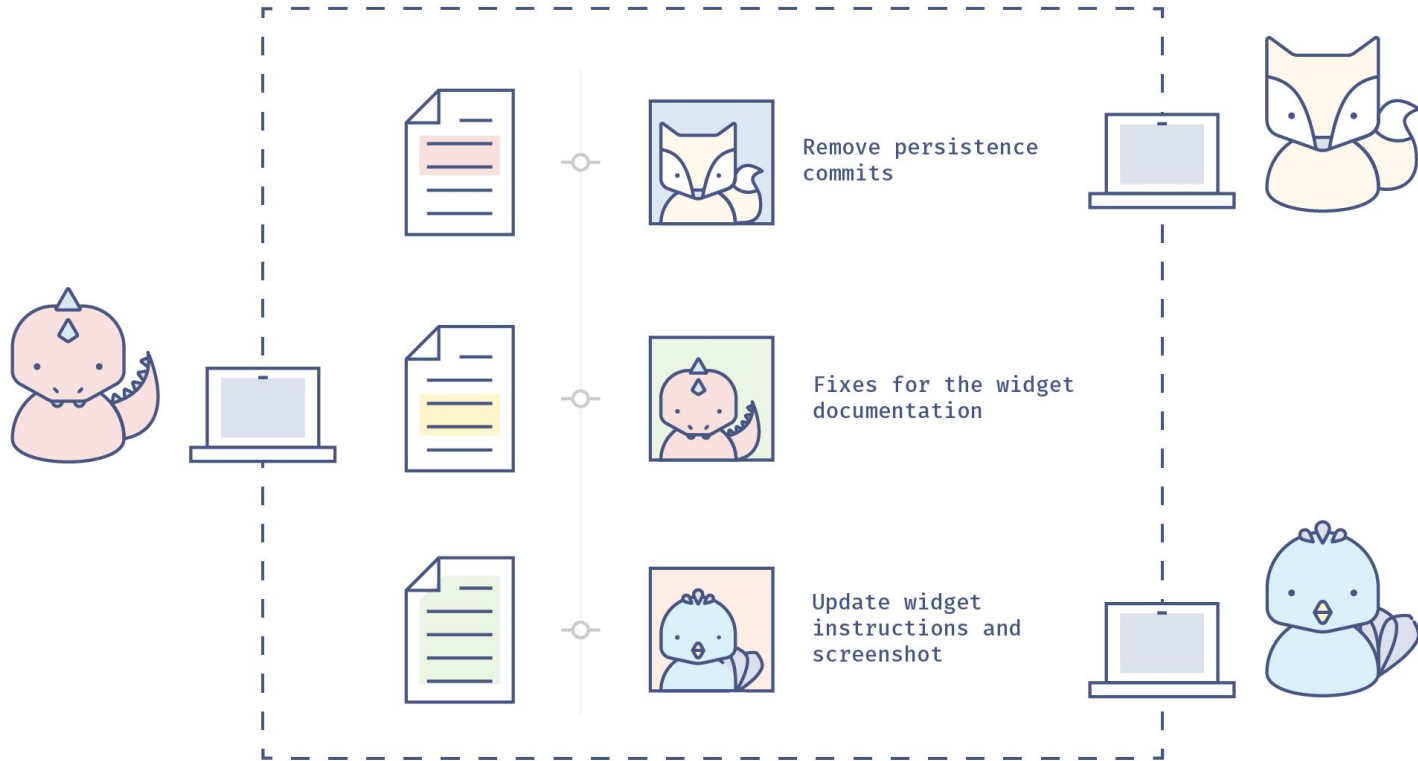
3+ million  
Organizations

100+ million  
Repositories

72%  
Fortune 50



# Collaboration on GitHub





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# Why use 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

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# GitHub Exercise 1.

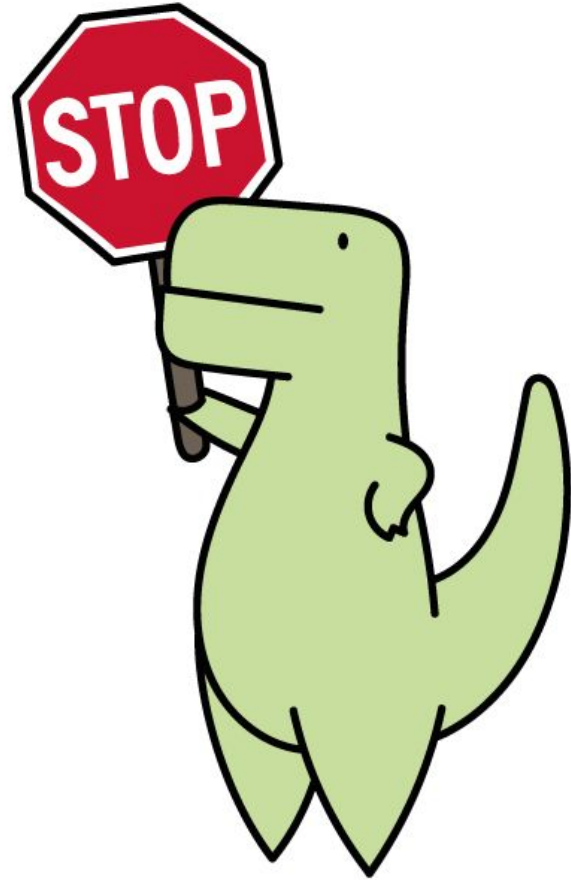
I'll first talk through what the exercise is. And then I'll share my screen and we will do it together.



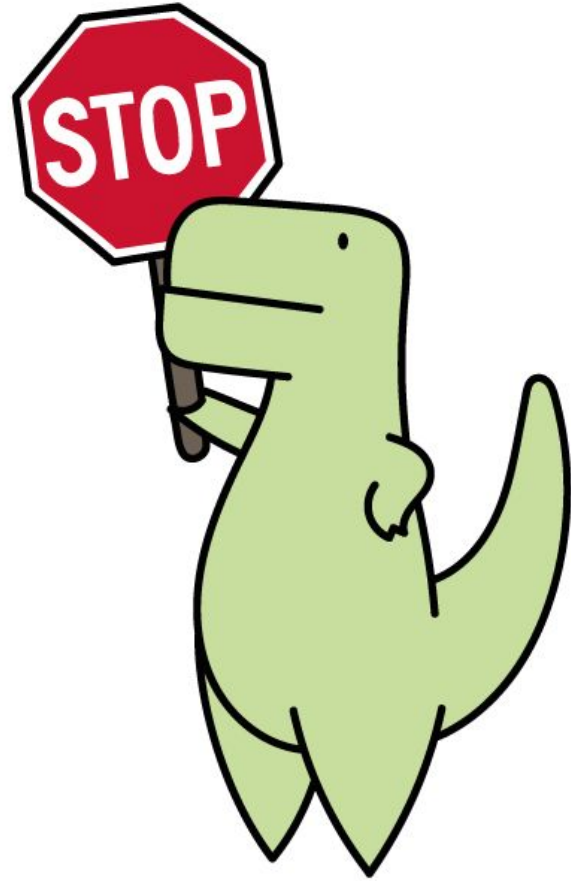
**Do you have a GitHub  
Account?**

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

**Create an account using  
the sign up.**



**Add your GitHub Username  
to the HackMD.**



# 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.](#)

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Start your repository with a template repository's contents.

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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.

## 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

# 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.



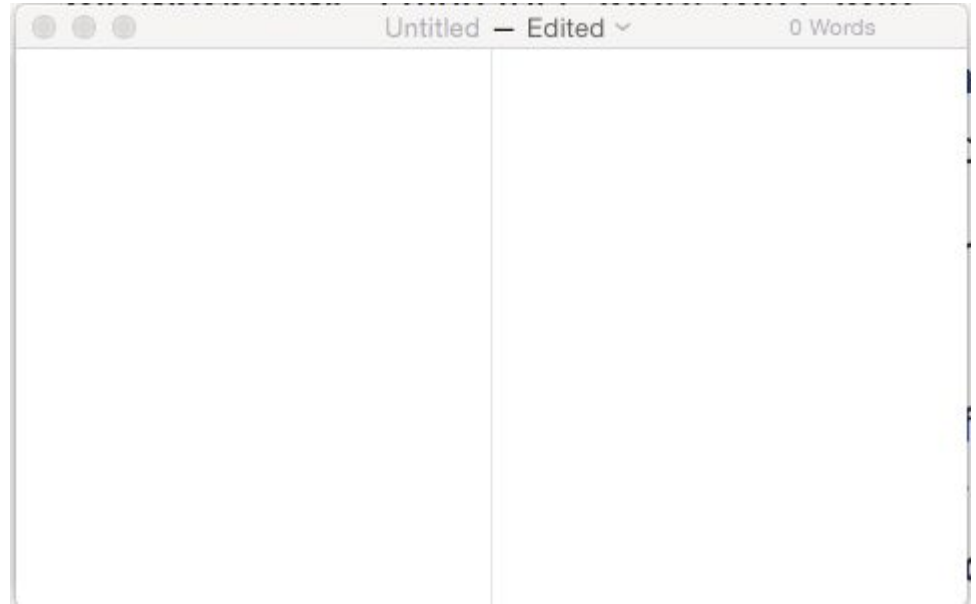


# Create a **README** in Markdown.

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.



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# Demo Exercise 1.

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



# CONGRATS!!

You created your first repo.



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# GitHub's Vocab

- Commit



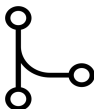
- Branch & Fork



- Pull request



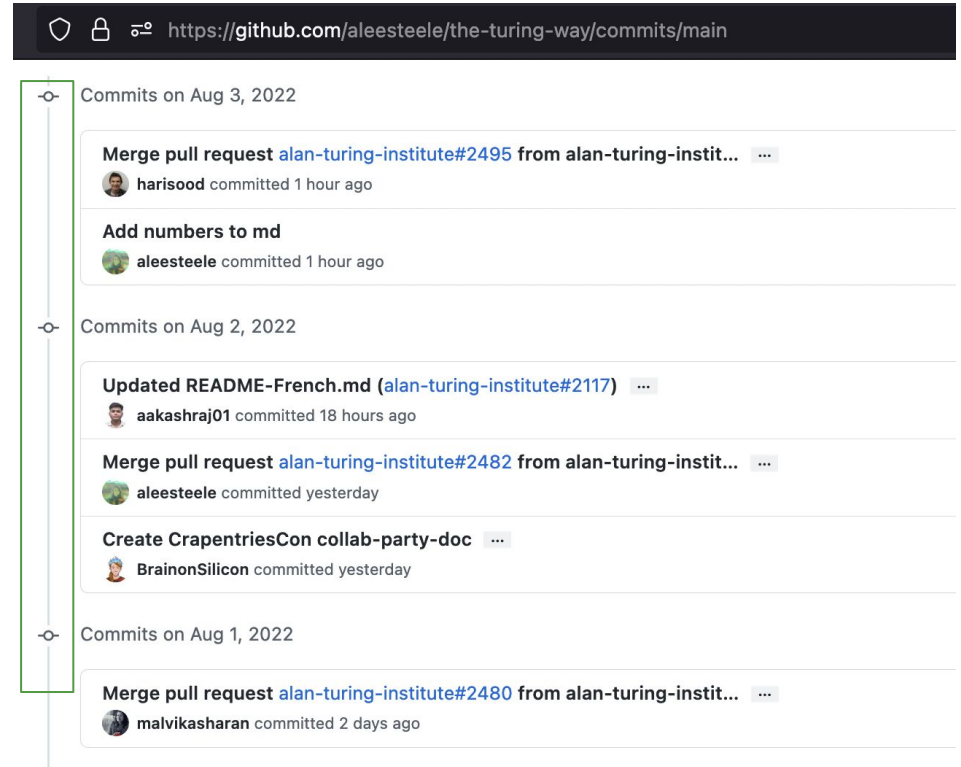
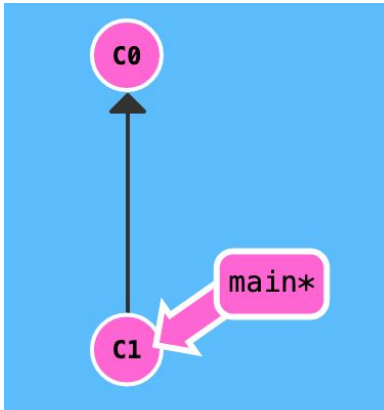
- Merge














# Commit

## Saving a version of file(s)

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

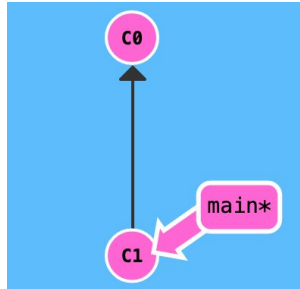
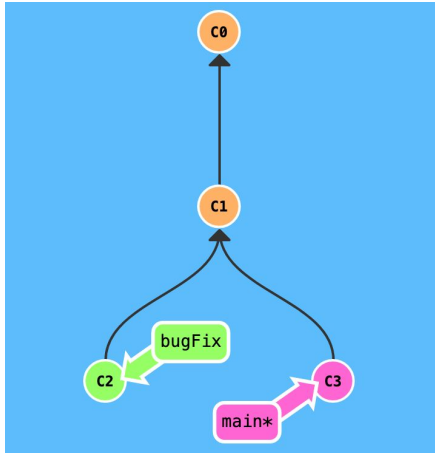


The screenshot shows the GitHub commit history for the repository `aleesteele/the-turing-way` on the `main` branch. The page is divided into sections by date:

- 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
```

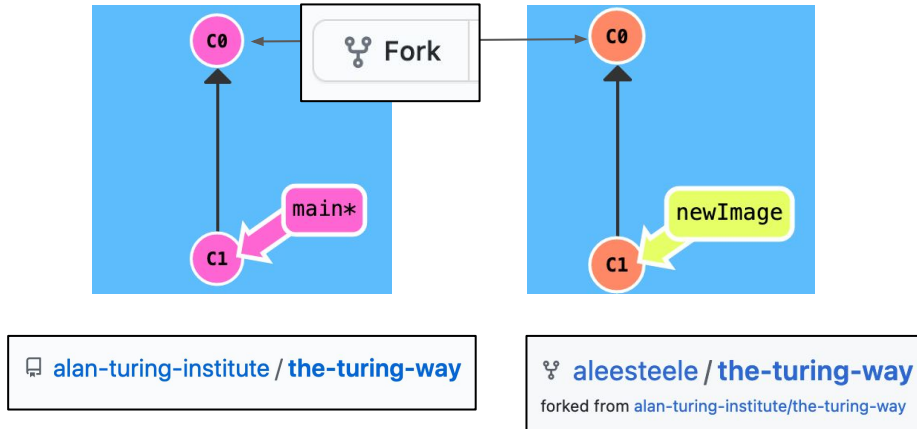
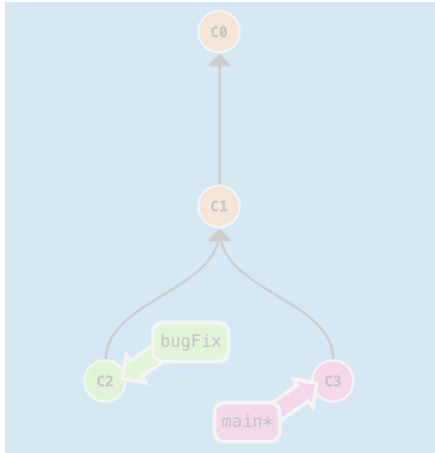
Commit directly to the main branch.

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

Propose changes Cancel

# Branch & Fork

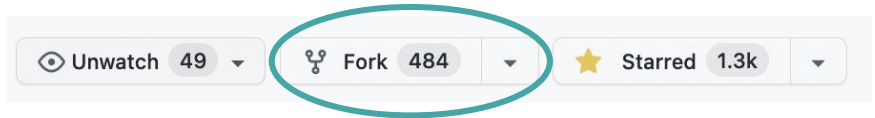
- **Branch:** pointers to a specific commit in **your** repo, temporary places to work through a feature ← you have **write** access
- **Fork:** copy of repo that is an entirely **independent repo** ← no need of write access or intent to merge with the main



# 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!





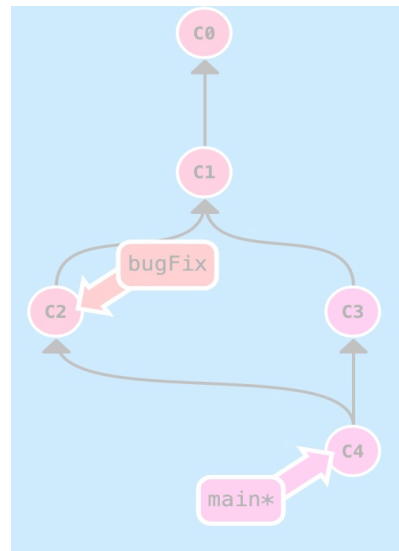
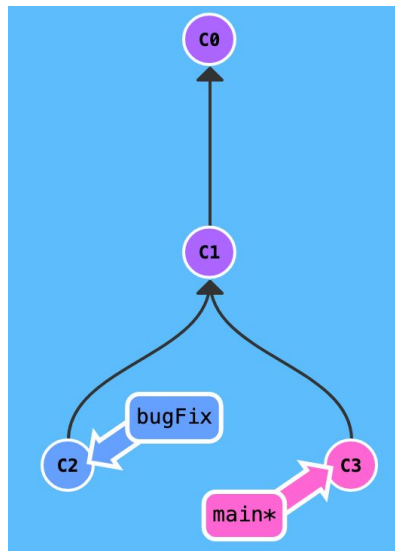
# Pull Request & Merge

## 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.



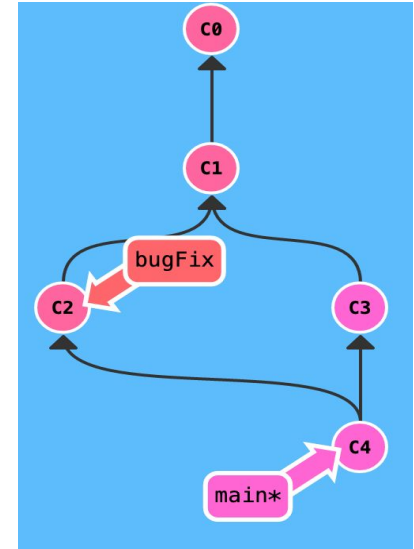
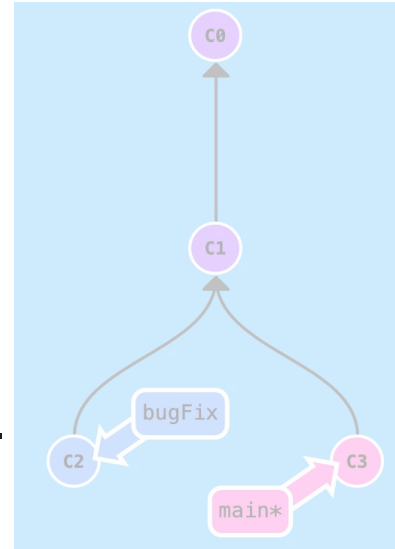
# Pull Request & Merge

## 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.



---

## GitHub Exercise 2.

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

Same as before. I'll talk through it, and then we'll do it together.



# Pull Request (PR) - 1

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

[friendly-collab-party](#) / [workshop](#) / Introductions.md

## Friendly Collab Party

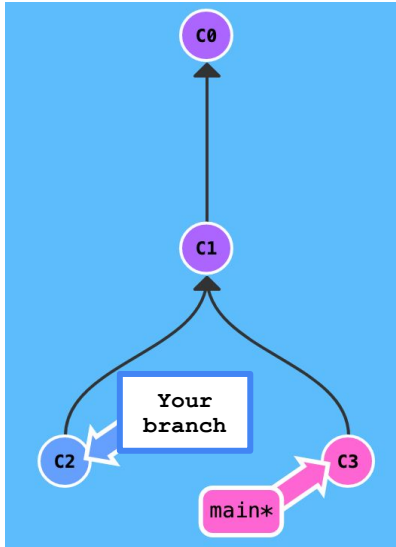
### About this file.

This directory is for our awesome collaboration workshop 🎉. Add your name to the list of folk who have taken this workshop before so we can ✨collaborate✨!

File editor interface showing options: Raw, Blame, and icons for desktop, edit, and trash. A tooltip says "Edit this file".

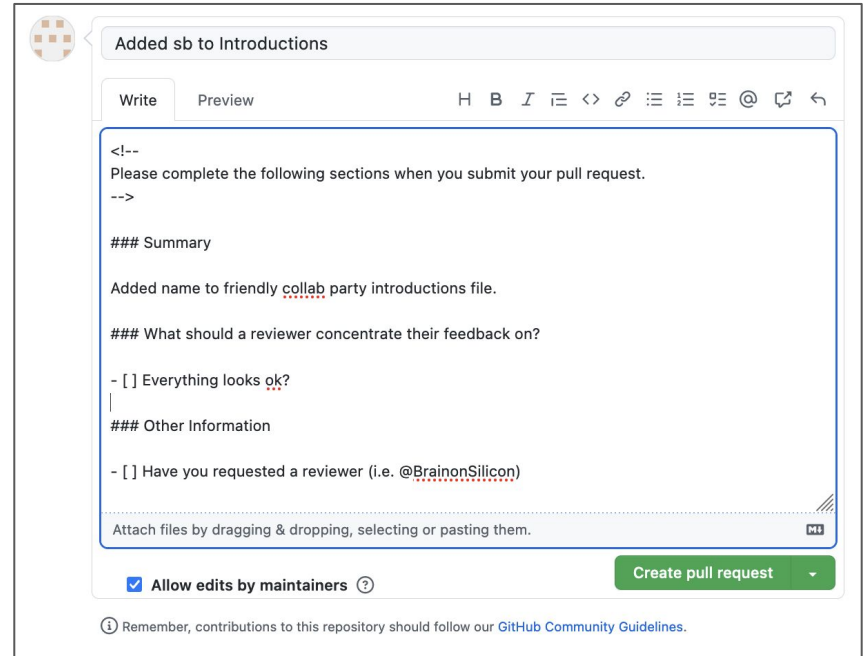
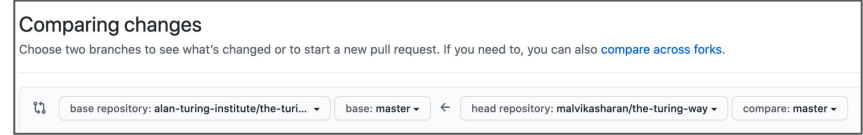
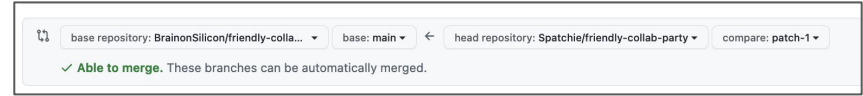
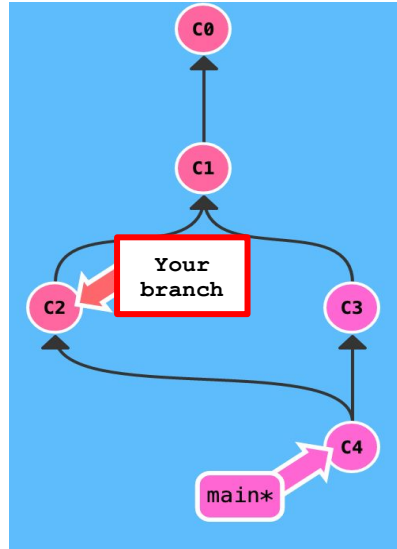
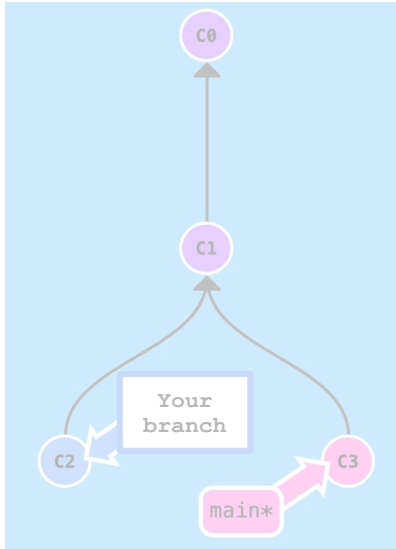
## Add your name here

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.



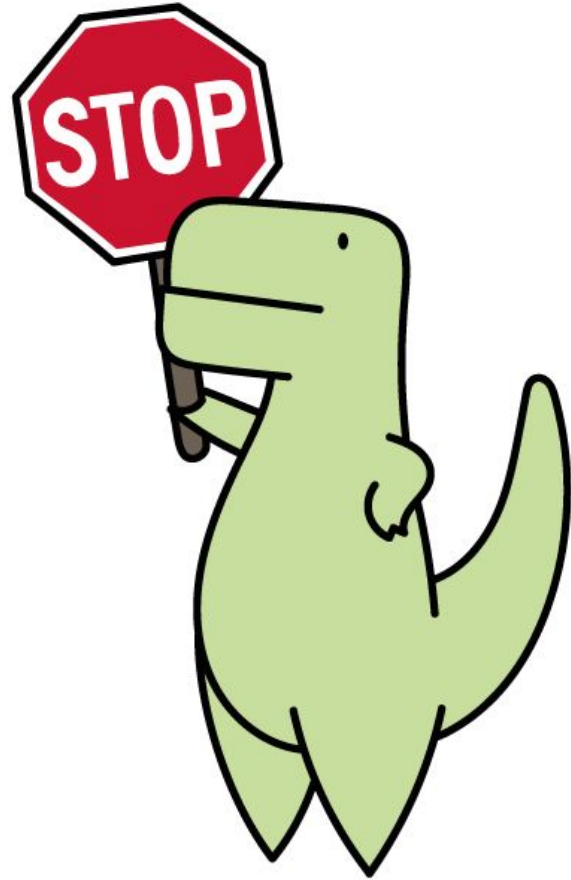
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## GitHub Exercise 2.

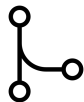
Let's do it together.



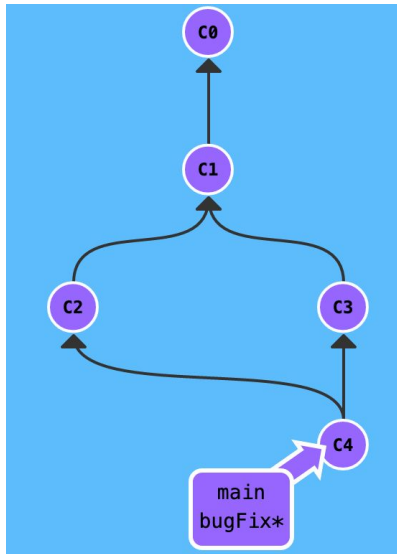
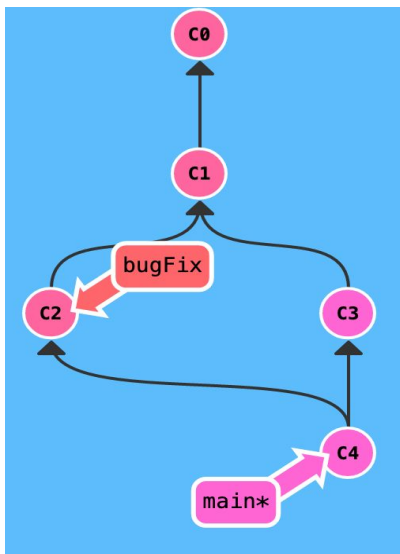
# Any Questions?



# 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

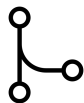
aleesteele commented 9 minutes ago · edited

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

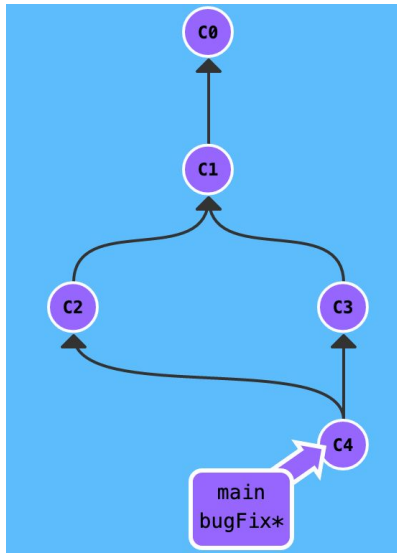
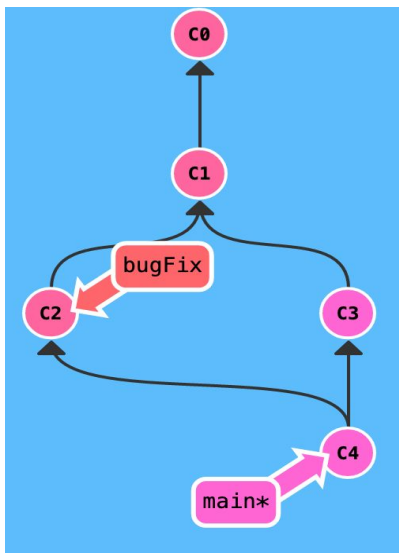
Conversation 1   Commits 2   Checks 13   **Files changed 1**



# 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

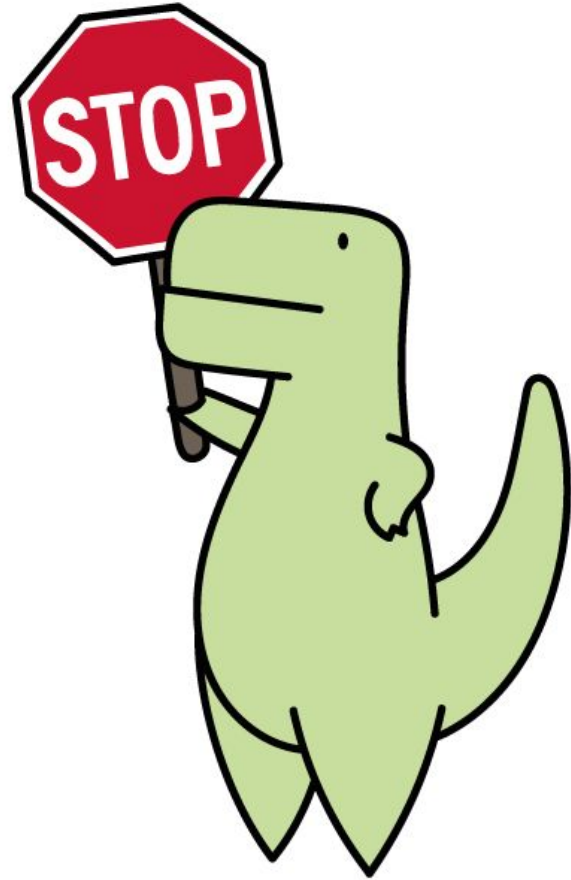
aleesteele commented 9 minutes ago · edited

- 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 +
```

# Any Questions?



# The Alan Turing Institute

---

## Effective Collaboration in a Distributed World

Sophia Batchelor and Emma Karoune



---

# What we've learnt...

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



---

# Behind the scenes...

## Collaborative Repositories

- READMEs
- Collaborative Documentation
- Template PRs
- Collaborator access
- Descriptive PRs & Commits

## Community Building

- WelcomeBot
- Contributing Guidelines
- Recognizing Contributions



---

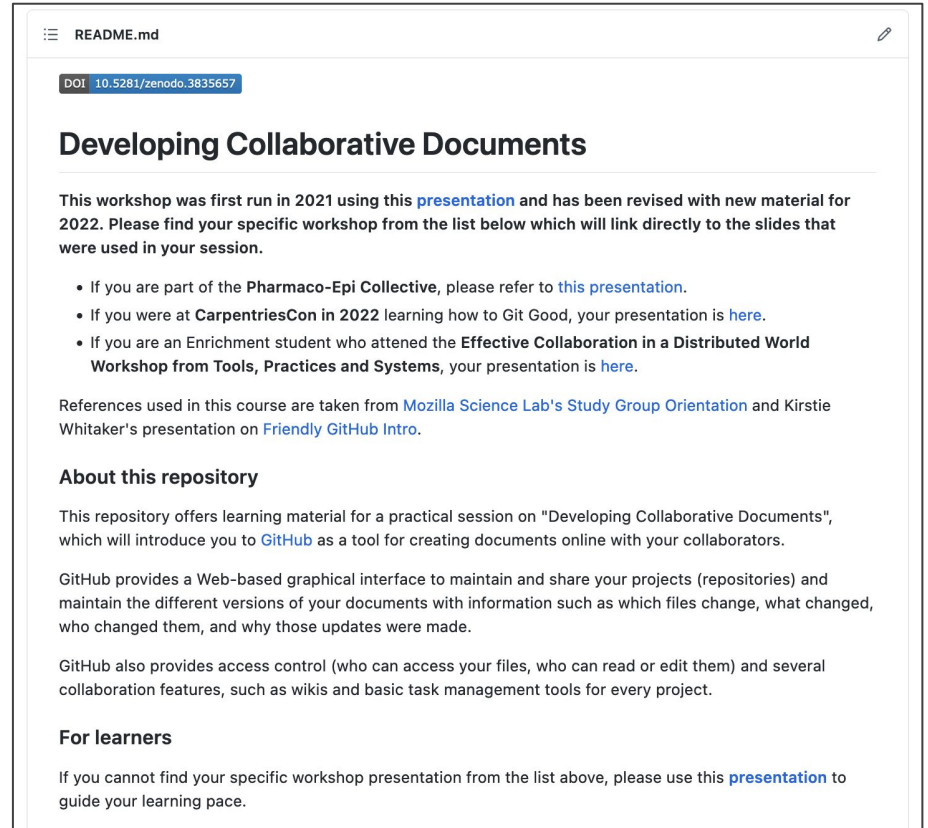
# Behind the scenes...

## Collaborative Repositories

- **READMEs**
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The screenshot shows a GitHub README file for a repository named 'README.md'. At the top, there is a blue box containing the DOI: 10.5281/zenodo.3835657. The main heading is 'Developing Collaborative Documents'. The text below explains that the workshop was first run in 2021 and has been revised for 2022. It provides a list of links to presentations used in the workshop, including one for the Pharmaco-Epi Collective, one for CarpentriesCon 2022, and one for an enrichment student. It also mentions references used in the course, such as Mozilla Science Lab's Study Group Orientation and Kirstie Whitaker's presentation on Friendly GitHub Intro. There are sections for 'About this repository' and 'For learners', both providing additional context and resources for users.

☰ README.md ✎

DOI: 10.5281/zenodo.3835657

## Developing Collaborative Documents

This workshop was first run in 2021 using this [presentation](#) and has been revised with new material for 2022. Please find your specific workshop from the list below which will link directly to the slides that were used in your session.

- If you are part of the Pharmaco-Epi Collective, please refer to [this presentation](#).
- If you were at CarpentriesCon in 2022 learning how to Git Good, your presentation is [here](#).
- If you are an Enrichment student who attended the Effective Collaboration in a Distributed World Workshop from Tools, Practices and Systems, your presentation is [here](#).

References used in this course are taken from [Mozilla Science Lab's Study Group Orientation](#) and Kirstie Whitaker's presentation on [Friendly GitHub Intro](#).

### About this repository

This repository offers learning material for a practical session on "Developing Collaborative Documents", which will introduce you to [GitHub](#) as a tool for creating documents online with your collaborators.

GitHub provides a Web-based graphical interface to maintain and share your projects (repositories) and maintain the different versions of your documents with information such as which files change, what changed, who changed them, and why those updates were made.

GitHub also provides access control (who can access your files, who can read or edit them) and several collaboration features, such as wikis and basic task management tools for every project.

### For learners

If you cannot find your specific workshop presentation from the list above, please use this [presentation](#) to guide your learning pace.

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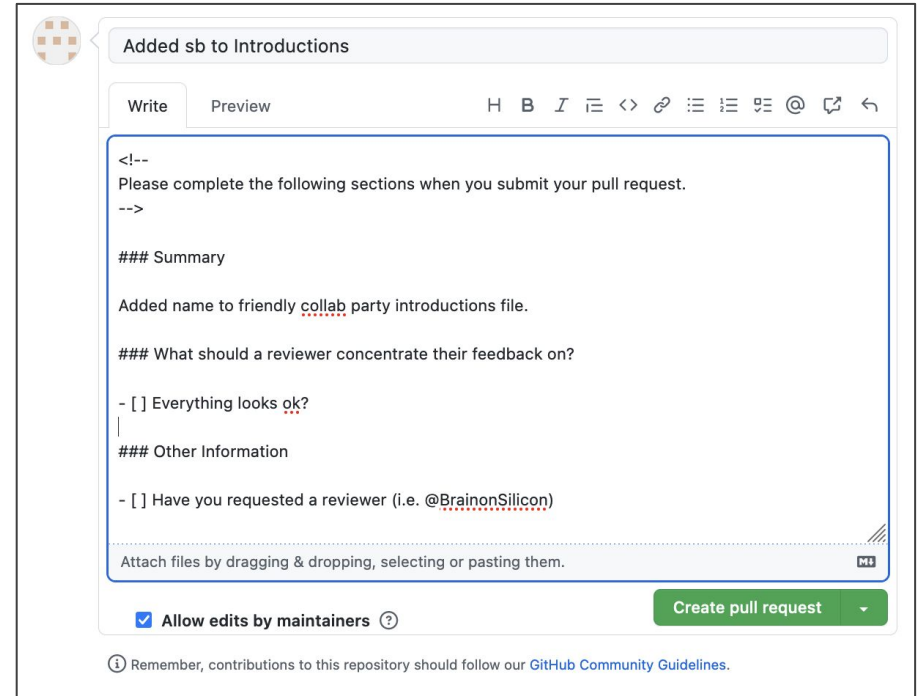
# Behind the scenes...

## Collaborative Repositories

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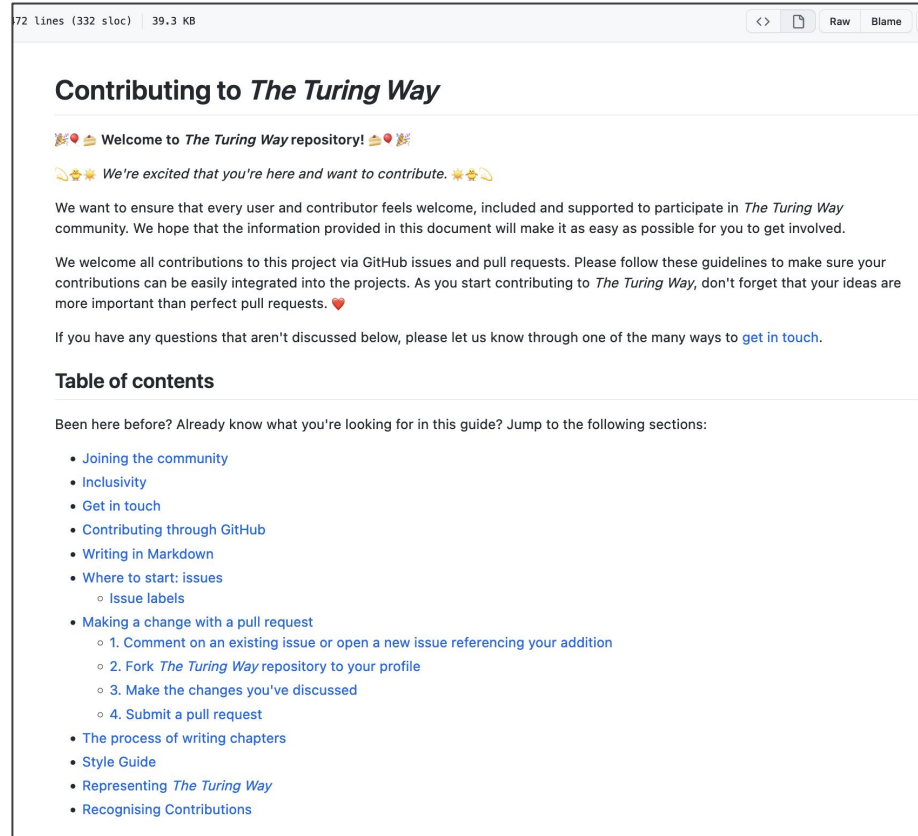
# Behind the scenes...

## Collaborative Repositories

- READMEs
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- ***Contributing Guidelines***
- Recognizing Contributions



72 Lines (332 sloc) | 39.3 KB

### Contributing to *The Turing Way*

👋👉 Welcome to *The Turing Way* repository! 🍷👉👋

👉👉👉 We're excited that you're here and want to contribute. 🍷👉👉

We want to ensure that every user and contributor feels welcome, included and supported to participate in *The Turing Way* community. We hope that the information provided in this document will make it as easy as possible for you to get involved.

We welcome all contributions to this project via GitHub issues and pull requests. Please follow these guidelines to make sure your contributions can be easily integrated into the projects. As you start contributing to *The Turing Way*, don't forget that your ideas are more important than perfect pull requests. ❤️

If you have any questions that aren't discussed below, please let us know through one of the many ways to [get in touch](#).

#### Table of contents

Been here before? Already know what you're looking for in this guide? Jump to the following sections:

- [Joining the community](#)
- [Inclusivity](#)
- [Get in touch](#)
- [Contributing through GitHub](#)
- [Writing in Markdown](#)
- [Where to start: issues](#)
  - [Issue labels](#)
- [Making a change with a pull request](#)
  - [1. Comment on an existing issue or open a new issue referencing your addition](#)
  - [2. Fork \*The Turing Way\* repository to your profile](#)
  - [3. Make the changes you've discussed](#)
  - [4. Submit a pull request](#)
- [The process of writing chapters](#)
- [Style Guide](#)
- [Representing \*The Turing Way\*](#)
- [Recognising Contributions](#)



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# Overview

1. What is TPS and *The Turing Way*?
2. Github Introduction
- 3. Collaborating in Established Projects**
4. Next Steps



# Contributing to Collaborative Projects

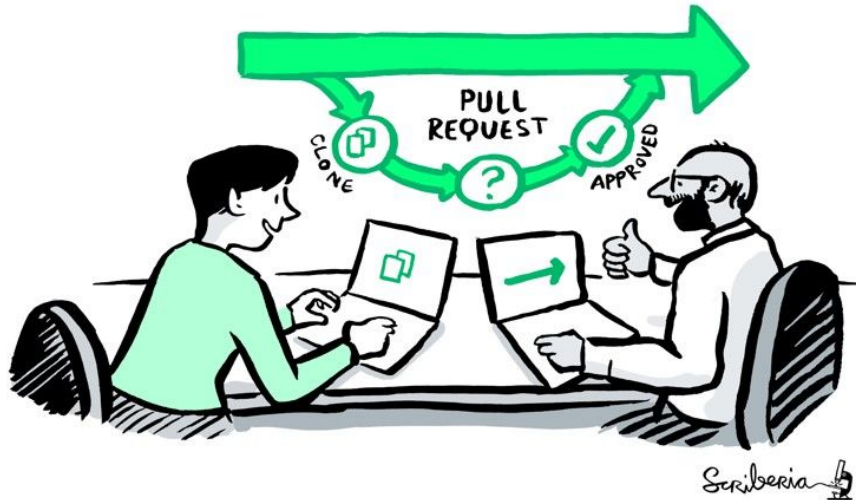
It's *hard work!*

What is your experience with  
contributing to collaborative  
or open source projects?



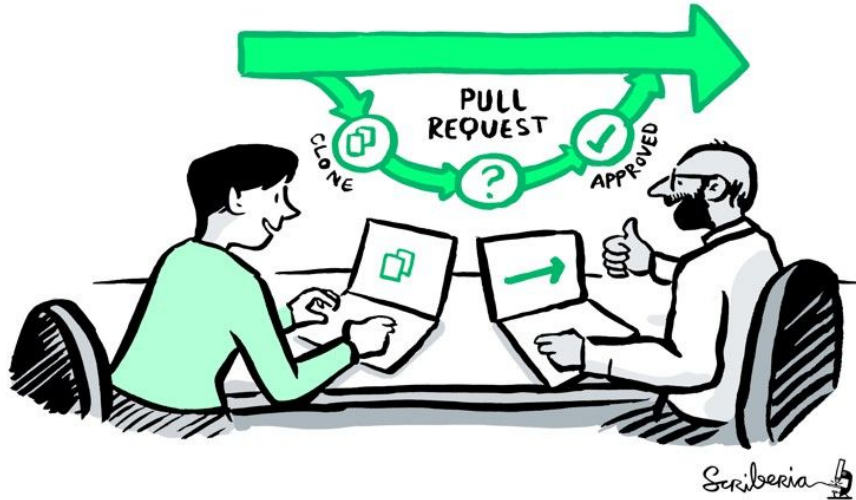
# Issues vs Pull Requests (PR)

- 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 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

COMMUNICATION & OUT REACH

ETHICS

the TURING WAY

TOO EASY NOT TO DO

Scriberia

The illustration shows a man in an orange shirt and teal pants pushing a shopping cart filled with books and documents. He is walking on a path that is shaped like a large, stylized letter 'T' and labeled 'the TURING WAY'. The path branches into several directions, each leading to a different icon representing a core principle: 'COLLABORATION' (two speech bubbles), 'PROJECT DESIGN' (a building with a checklist), 'REPRODUCIBILITY' (a building with a circular arrow), 'COMMUNICATION & OUT REACH' (a building with a satellite dish), and 'ETHICS' (a building with a scale of justice). In the background, there is a sun, a pie chart, and various icons representing data and research. The text 'TOO EASY NOT TO DO' is written in large, bold letters at the bottom right of the illustration.

# The Turing Way: Github Repository

We will be editing this together!

Folder	Recent Activity	Time Ago
.github	Add workflow_dispatch trigger to release-drafter.yml	2 months ago
README-translated	Updated README-French.md (#2117)	19 hours ago
<b>book</b>	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

File	Recent Activity	Time 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

**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

alan-turing-institute / the-turing-way public

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

main 94 branches 8 tags

Go to file Add file Code- About

harisood Merge pull request #2495 from alan-turing-institute/carpentr... 635a7d8 2 hours ago 10,074 commits

Host repository for The Turing Way: a how to guide for reproducible data

.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 →

Learn more about contributing to the project →

Learn more about the project here →

Community contributors →

**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

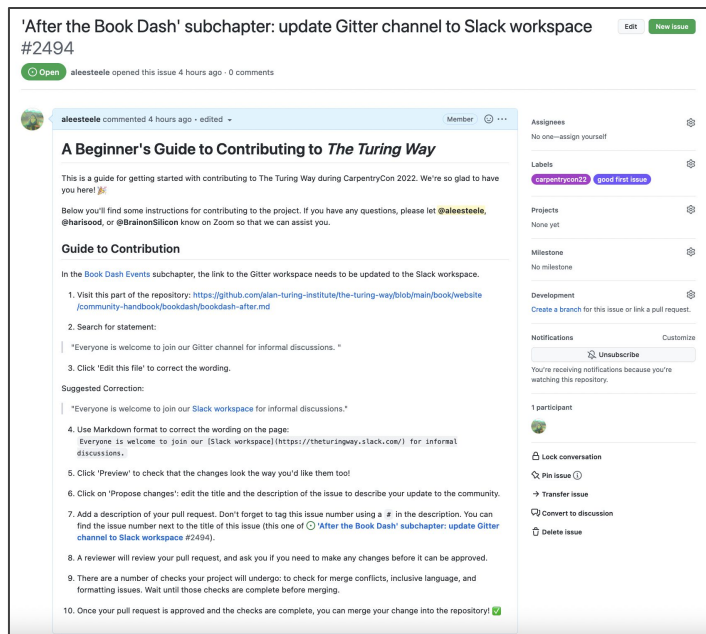
10 Open ✓ 1 Closed

Author ▾ Label ▾ Projects ▾ Milestones ▾ Assignee ▾ Sort ▾

- Adding a link to cross-reference the sub-chapter on Combined datasets collaboration-workshop good first issue  
#2695 opened 3 days ago by EKaroune
- Adding a link to cross-reference the subchapter on Metadata collaboration-workshop good first issue  
#2694 opened 3 days ago by EKaroune
- Adding a link to cross-reference the sub-chapter on Biological data collaboration-workshop good first issue  
#2693 opened 3 days ago by EKaroune
- Adding a link to cross-reference the sub-chapter on confidential data collaboration-workshop good first issue  
#2692 opened 3 days ago by EKaroune
- Adding a link to cross-reference the sub-chapter on personal data collaboration-workshop good first issue  
#2691 opened 3 days ago by EKaroune
- Adding a video to Making Research Objects Citable collaboration-workshop good first issue  
#2554 opened on 10 Aug by EstherPlomp
- Broken emojis on Collaboration Cafe Call Template collaboration-workshop good first issue  
#2504 opened on 3 Aug by harisood
- Repeated '+' in the Collaboration Cafe Call Template' collaboration-workshop good first issue  
#2501 opened on 3 Aug by harisood
- Add additional resources to 'anonymisation' subheading of personal data management collaboration-workshop good first issue  
#2490 opened on 3 Aug by aleesteele
- Fix links to 'barriers to data sharing' section collaboration-workshop good first issue  
#2489 opened on 3 Aug by aleesteele



# 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*

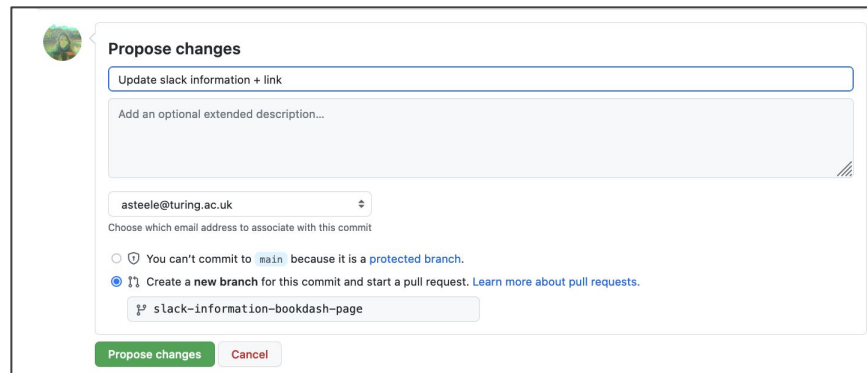
This is a guide for getting started with contributing to The Turing Way during CarpenteryCon 2022. We're so glad to have you here! 🎉

Below you'll find some instructions for contributing to the project. If you have any questions, please let @aleesteel, @harisood, or @BrainonSilicon 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."  
3. 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! 🎉



### Propose changes

Update slack information + link

Add an optional extended description...

asteel@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.](#)

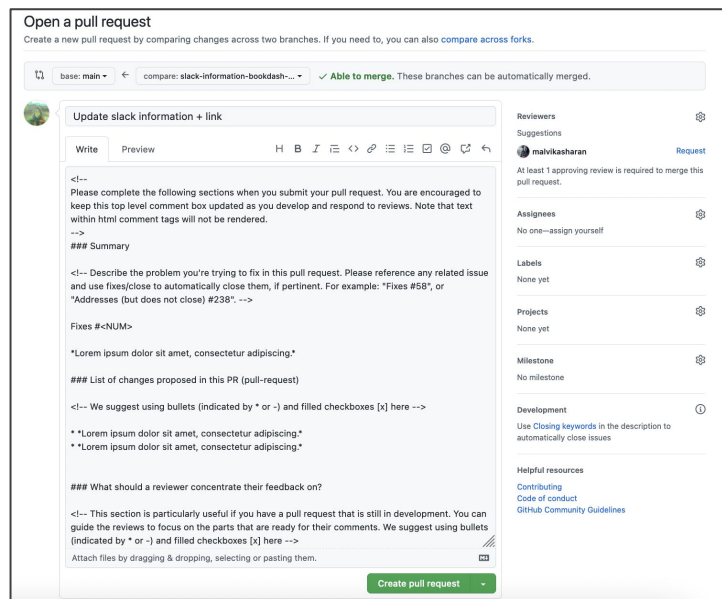
slack-information-bookdash-page

Propose changes Cancel

**Issue**

**Propose Changes**

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



Open a pull request

Create a new pull request by comparing changes across two branches. If you need to, you can also [compare across forks](#).

base: main ← compare: slack-information-bookdash-... ✓ Able to merge. These branches can be automatically merged.

### Update slack information + link

Write Preview

<!-- Please complete the following sections when you submit your pull request. You are encouraged to keep this top level comment box updated as you develop and respond to reviews. Note that text within html comment tags will not be rendered. -->

## Summary

<!-- Describe the problem you're trying to fix in this pull request. Please reference any related issue and use fixes/close to automatically close them, if pertinent. For example: "Fixes #58", or "Addresses (but does not close) #238". -->

Fixes #<NUM>

\*Lorem ipsum dolor sit amet, consectetur adipiscing.\*

## List of changes proposed in this PR (pull-request)

<!-- We suggest using bullets (indicated by \* or -) and filled checkboxes [x] here -->

- \* Lorem ipsum dolor sit amet, consectetur adipiscing.\*
- \* Lorem ipsum dolor sit amet, consectetur adipiscing.\*

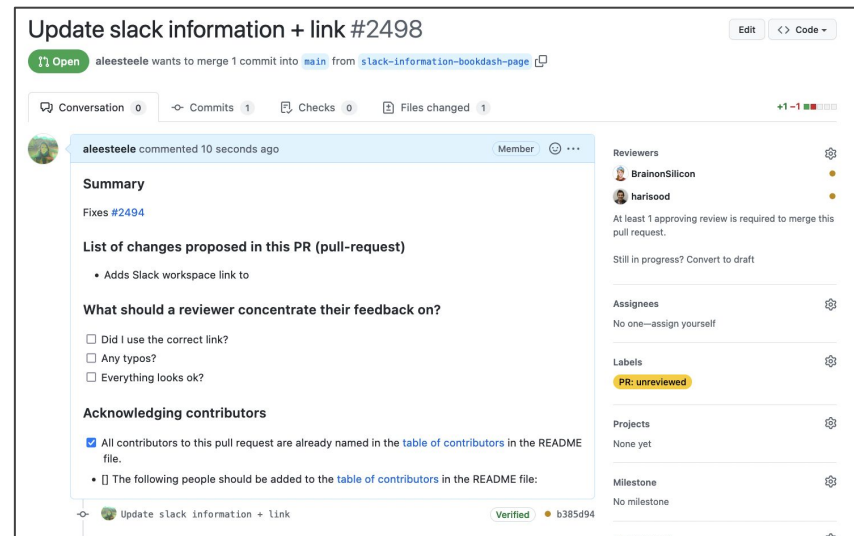
## What should a reviewer concentrate their feedback on?

<!-- This section is particularly useful if you have a pull request that is still in development. You can guide the reviews to focus on the parts that are ready for their comments. We suggest using bullets (indicated by \* or -) and filled checkboxes [x] here -->

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

Create pull request

## Editing Pull Request



### Update slack information + link #2498

Open aleesteele wants to merge 1 commit into main from slack-information-bookdash-page

Conversation 0 Commits 1 Checks 0 Files changed 1

aleesteele commented 10 seconds ago

#### Summary

Fixes #2494

#### List of changes proposed in this PR (pull-request)

- Adds Slack workspace link to

#### What should a reviewer concentrate their feedback on?

- Did I use the correct link?
- Any typos?
- Everything looks ok?

#### Acknowledging contributors

- All contributors to this pull request are already named in the [table of contributors](#) in the README file.
- The following people should be added to the [table of contributors](#) in the README file:

Reviewers: BrainonSilicon, harisood

Assignees: No one--assign yourself

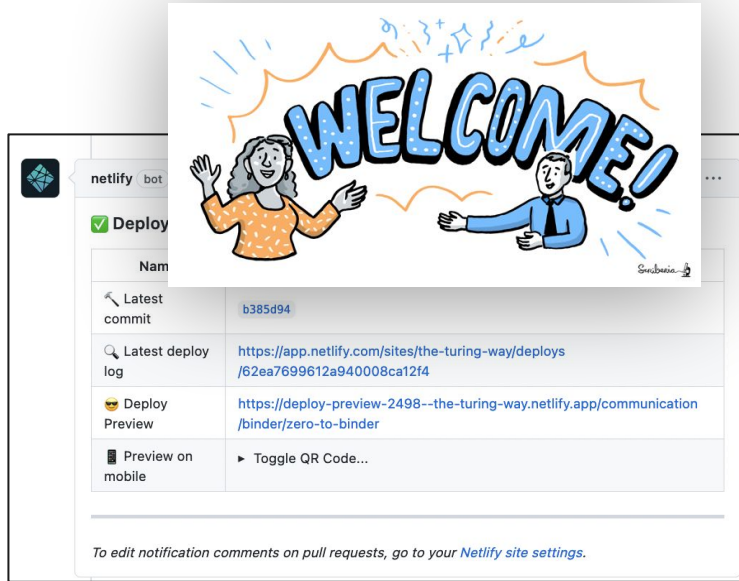
Labels: PR: unreviewed

Projects: None yet

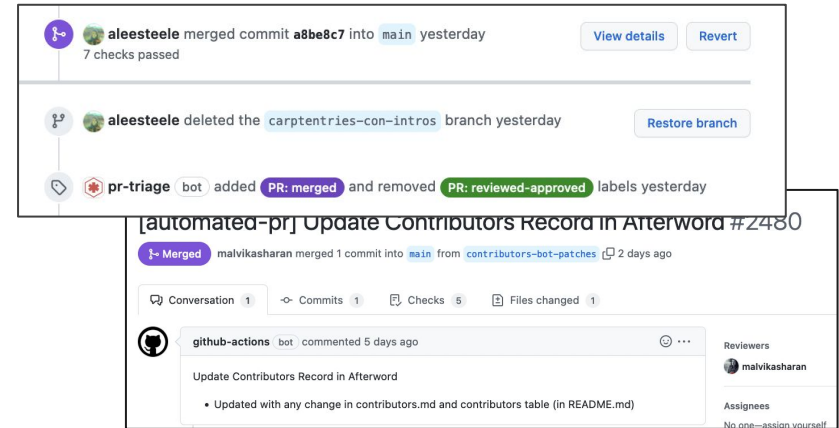
Milestone: No milestone

## 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..." and a note: "To edit notification comments on pull requests, go to your [Netlify site settings](#)."



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" with a description: "Updated with any change in contributors.md and contributors table (in README.md)". The reviewer is malvikasharan.

***Review Pull Request***

***Merge changes!***

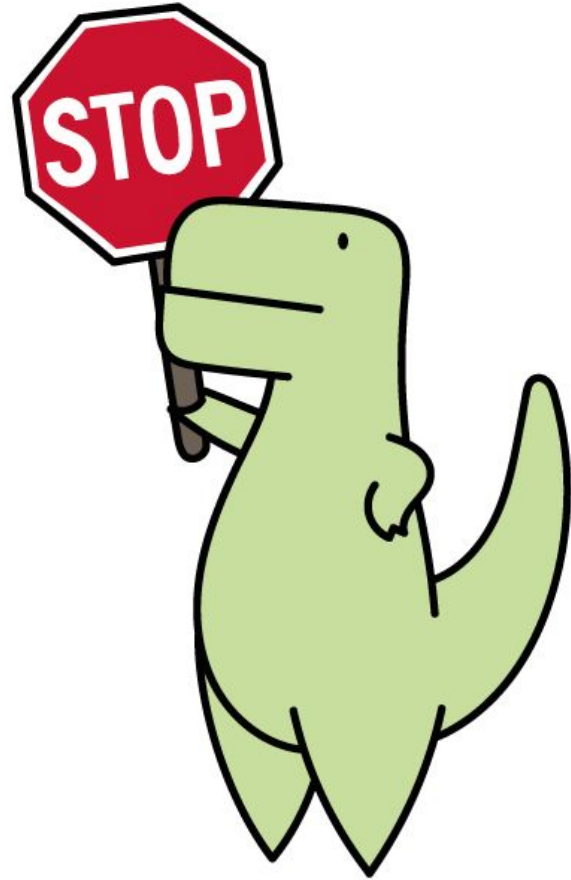
# Contributing to *The Turing Way*: DEMO!

I'll do an example first:

<https://github.com/alan-turing-institute/the-turing-way/issues/2697>



# Any Questions?



---

# Let's dive in!

<hackmd link>

- 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:

<hackmd link>

- 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!



---

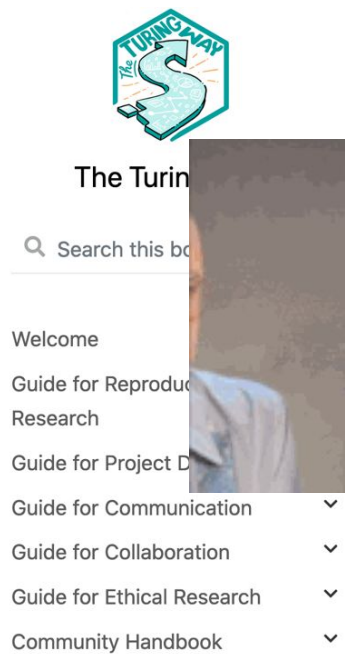
# Overview

1. What is TPS and *The Turing Way*?
2. Github Introduction
3. Collaborating in Established Projects
4. **Next Steps**





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



Senberia

---

# What you've accomplished!

- Introduction to Github
- Made first repository!
- Contributed to **2 repositories!**
- Fixed bugs in an existing project.

🎉 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 and use the references in the book.***



---

# Join a Community Event

- *Collaboration Cafes* **Next Collab cafe - 19 October!**
  - 1<sup>st</sup> & 3<sup>rd</sup> Wednesdays (14:00 UTC)
- *Coworking Calls*
  - Mondays (10:00 UTC)
- *Fireside Chats*
- *Book Dash*
- *Community Share-out*

[bit.ly/turingway](https://bit.ly/turingway)



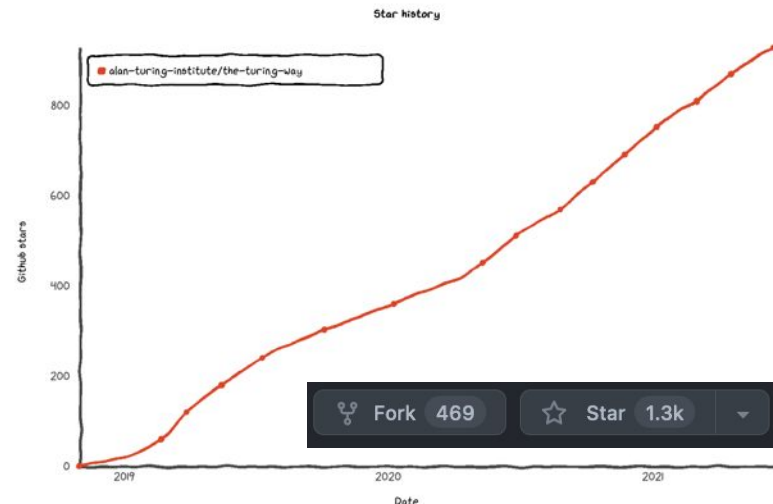
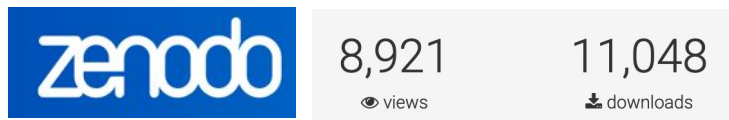
Scriberia 

# Get involved with the community

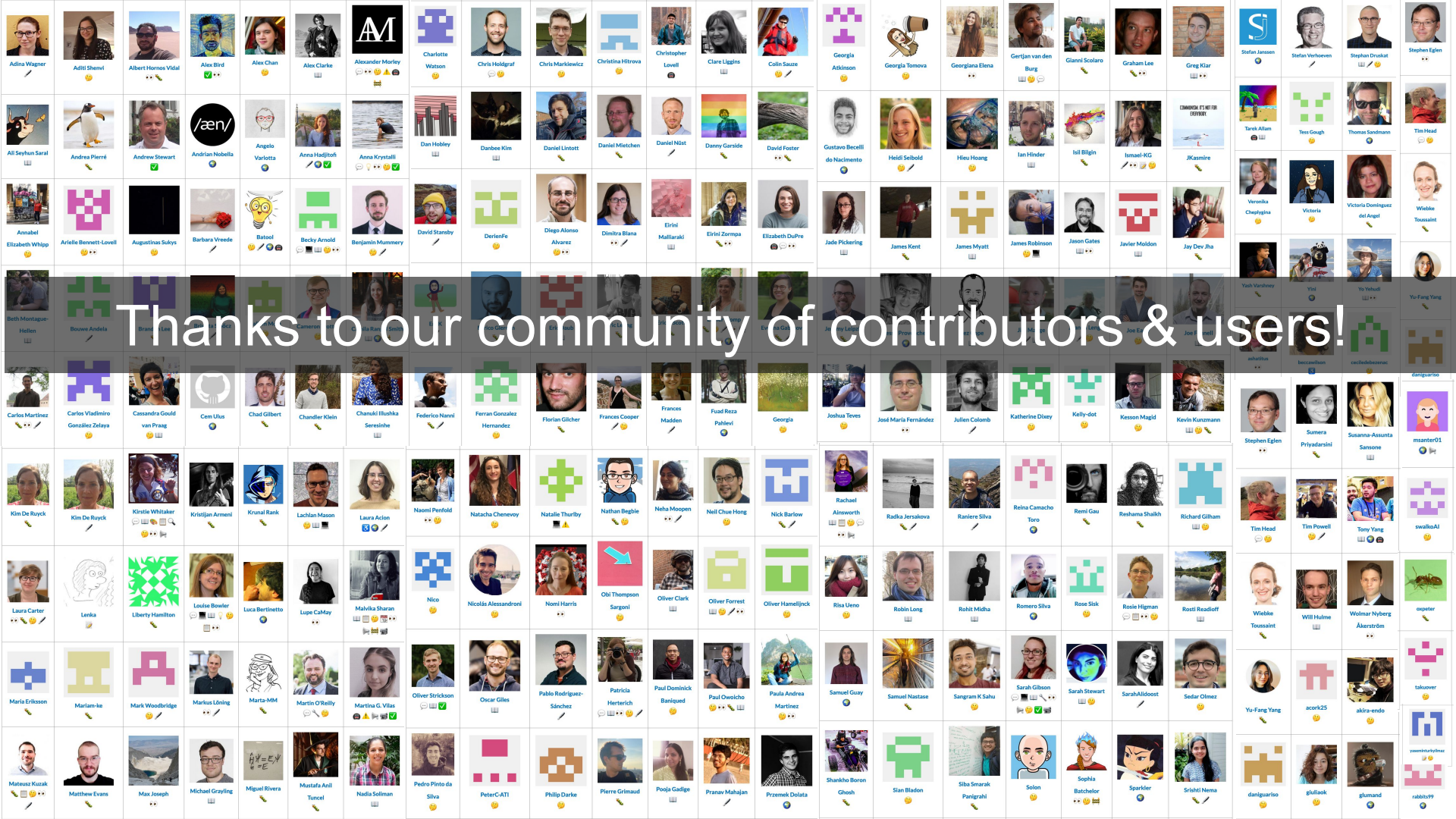
- Slack workspace
- PR / Issue on Github
- Community events

[bit.ly/turingway](https://bit.ly/turingway)

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







Thanks to our community of contributors & users!

---

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

**Contact us: [sbatchelor@turing.ac.uk](mailto:sbatchelor@turing.ac.uk), [ekaroune@turing.ac.uk](mailto:ekaroune@turing.ac.uk)**



# Key Practices for Collaboration

## MENTORED CONTRIBUTIONS



*Develop & share*



*Maintain & improve*



*Share resources*



*Review and update*



*Make it global*



*Share best practices*