# Contributing

\*\*Are you wondering how you can get started?\*\* You can learn how from this \*free\* series

[How to Contribute to an Open Source Project on GitHub](https://egghead.io/series/how-to-contribute-to-an-open-source-project-on-github).

## Prerequisites

1. A GitHub project in which you have access

2. A text editor or IDE (integrated development environment)

3. Basic knowledge of the command line in a terminal session

4. [`git`](https://git-scm.com/)

5. [`SSH key`](https://help.github.com/articles/connecting-to-github-with-ssh/)

## How to submit a Pull Request (aka PR)

1. Click the \_\*\*Fork\*\*\_ button in the top right to copy the repo to your own GitHub project.

2. Open a terminal and clone your forked project locally:

```bash

$ git clone git@github.com:your-project-name/chromebrew.git && cd chromebrew

```

3. Create a branch for your PR:

```bash

$ git checkout -b update-cool-package

```

4. Add, edit or delete the file(s) you would like to change and save.

5. Test your changes! See steps 7 through 11 in the `How to test a pending PR from another contributor` section below.

6. Stage your changes:

```bash

$ git add -A

```

7. Review your changes:

```bash

$ git diff --staged

```

8. Correct your changes and repeat steps 4 through 7, if necessary.

9. Commit your changes:

```bash

$ git commit -m "Add some awesome change to cool package"

```

10. Push your changes:

```bash

$ git push origin update-cool-package

```

11. Visit your project page in the browser: `https://github.com/your-project-name/chromebrew`

12. Click the \_\*\*New pull request\*\*\_ button next to the \_\*\*Branch:\*\*\_ selector drop-down.

13. Select your branch name from the \_\*\*compare:\*\*\_ selector drop-down on the right.

14. Scroll down and review your changes.

15. Click the \_\*\*Create pull request\*\*\_ button.

16. Add a short description of your change.

17. Click the \_\*\*Create pull request\*\*\_ button.

## How to test a pending PR from another contributor

1. Open the PR of interest.

2. Next to the green \_\*\*Open\*\*\_ badge, you should see something similar to:

```

contributor-name wants to merge 1 commit into skycocker:master from contributor-name:update-cool-package

```

3. On the far right, take note of \_\*\*contributor-name:update-cool-package\*\*\_. This is the PR contributor along with the branch they want to merge.

4. Open a terminal, change to your cloned chromebrew directory and execute:

```bash

$ git remote add contributor-name git@github.com:contributor-name/chromebrew.git

```

5. Fetch their branches:

```bash

$ git fetch contributor-name

```

6. Checkout their branch:

```bash

$ git checkout update-cool-package

```

7. If the requested change is a package:

```bash

$ cp packages/cool\_package.rb /usr/local/lib/crew/packages/

```

8. Test the new or updated package:

```bash

$ crew upgrade cool\_package

```

9. Examine the files to see if everything installed as expected:

```bash

$ crew files cool\_package

```

10. Run some tests on executables, if applicable:

```bash

$ cool\_package --version

$ cool\_package --help

$ cool\_package --some-other-option

```

11. To see if this package is a dependency for another package, execute:

```bash

$ grep "depends\_on 'cool\_package'" packages/\*.rb

```

and, just in case:

```bash

$ grep 'depends\_on "cool\_package"' packages/\*.rb

```

If the package is a dependency for another package, test commands of the other package, if possible, to see if they were affected in any way.

12. Visit the PR and add a comment suggesting any changes or mark it RTBC if everything looks good.

## Learn more

- Visit the [wiki](https://github.com/skycocker/chromebrew/wiki)