How to participate the contribution in the Open-Source project

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Why?

If I seen a little further it is by standing on the shoulders of Giants

-- Isaac Newton

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Background

Fast

Quality

- **94M**
- **413M**
- **90%**

As we continue to advance technologically, more and more products and services are being transformed into software ready services. And many of them are being made open-source.

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Solve your own mental block
You will always be the initial point

Your questions

- "I'm not a very good programmer."
- "I don't have much time to put into it."
- "I don't know what project to work on."

Key Point

- No fear to chat with the stranger.
- Trust yourself and trust others.
- You are interested in the work you select, and you have the willingness to work and improve on it

Principles

- The best project to start working on is one that you use already.
- The smallest of contributions is still more than none.
- Projects need contributions from everyone of all skills and levels of expertise.

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How?

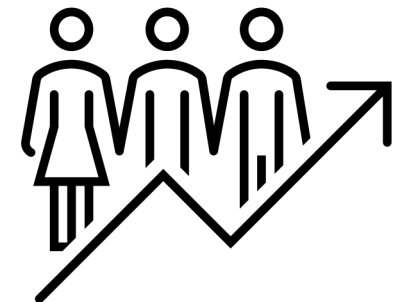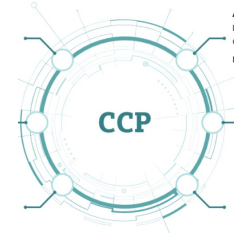Unity of knowledge and action.
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Check the area

Start from where you are or you like.

- **Analyze what you have to offer and decide how you want to contribute.**
  - Code
  - Docs
  - Issue
  - Appear in the community and listening
- **Start from the project you are using or used will can be led intimidating.**
  - But you can also search for projects related to your skillset using the explore and topics pages on GitHub or GitLab.

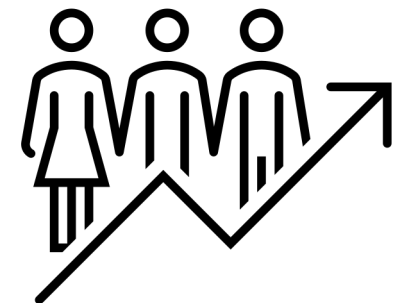**SIEMENS**

How to choose an open source project

Find the "right" project.

- Check out if it has a license file
- Check when the last commit was made.
- Look for the number of the contributors and how often they commit to the repo

Check the standards and files

- README.md
- Contributing.md
- Code of Conduct / Get start / Code style ….
- License.txt

拉倒吧，朕的大清都亡了，
说这些有什么用？

1949年 国民党军 节节 败退

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Working on issues

Don't only focus on the brain and heart

Create a issue:

- Create a issue will always be a good method to start the first step.
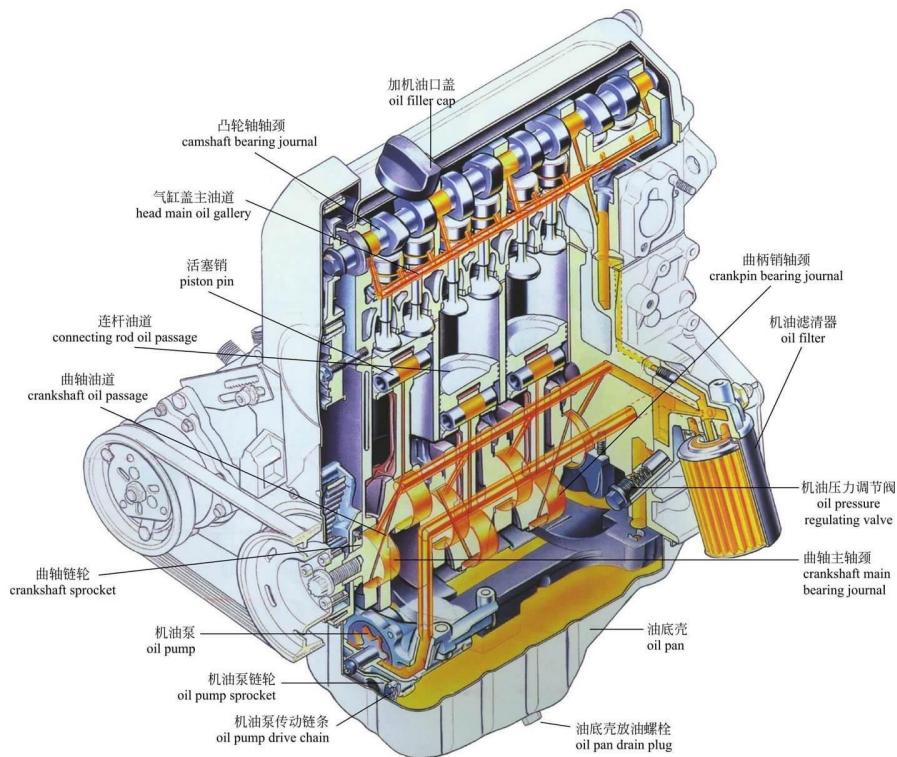
Diagnose a issue:

- Diagnosing and triaging a bug can help save the developers save time with the legwork of figuring out the specifics of the problem.
- Even if you don't know what causes the problem, the effort you put into narrowing down the circumstances makes it easier for someone else to fix it.

Close the fixed issues:

- Start by querying the ticket system for tickets older than a year and see if the bug still exists
- Try to check the issues in the latest version reopen or close them.

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Working on code

Work on quality but not quantity

Test a beta or release candidate:

- Any project designed to run on multiple platforms can have all sorts of portability problems.

- You only need to download build and test the basic functions.

Fix a bug & add the test case:

- This is usually where you want to get working on code start.

- Add a test / docs to the test suite if possible

Silence a complier warning：

- Reduce the warnings of the complier can help the stability of the projects

Add a comment：

- If you are confused on some code, maybe others also have the same feelings, add the comment and save all others' time.

Develop the feature

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Working on docs / community

To be the owner

Add a demo:

- a good example of proper usage can more clearly and quickly explain proper usage of software than pages of documentation.

Write a blog post

- Use a blog to tell others about a problem you fac ed using the software and what you did to solve it. Github / CSDN / Zhihu …

Share this on the social media

- When you think you are a part of this project you can also share this with others to let more and more people know it and join it to build and improve it.

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Quality over quality
Striking a balance

@OpenSource contributors

Open source contributions can be incredibly engaging—to the point where it becomes easy to develop an interest in frivolous pursuits or vanity metrics that don't contribute any real value. When you first start contributing, always focus on making minor changes. After you get your feet under you, keep an eye out for **low-lift** issues you can fix and continue to learn more about the project as you move up the ladder.

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