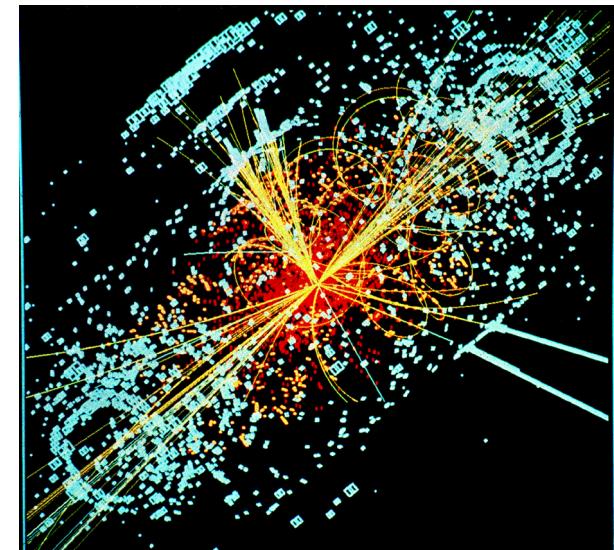


Why open source?

- Open source runs:
 - Android phones
 - Facebook & Twitter servers
 - Tiny IoT and wearables
 - Large Hadron Collider



What is open source?

- License ensures source code is available for
 - distribution
 - modification
- Sharing
- Collaboration
- Communication
- Co-design



What can open source do for you?

- For jobs seekers, 86% of tech professionals say open source has advanced their careers
- Open source will help you:
 - Create a portfolio
 - Find mentors
 - Demonstrate collaboration skills
 - Network and find jobs

Google Summer of Code

- 3 month remote paid internship
- \$6,000 stipend for U.S. interns
- Open to all students 18+
- Multiple projects
- Contact mentors
- Fill out project proposal



OUTREACHY

- 3 month remote paid internship
- \$5,500 stipend, \$500 travel
- Goal to increase diversity in tech:
 - Open internationally to women (cis & trans), trans men, genderqueer folks
 - U.S. residents & nationals who are Black/African American, Hispanic/Latin@, American Indian, Alaska Native, Native Hawaiian, or Pacific Islander

Outreachy

- Internship: May 14 - August 14
- Application: February 12 - March 22

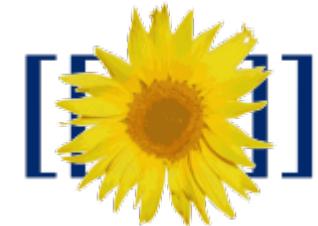


ceph



GNOME™

moz://a



fedora^f



openstack®

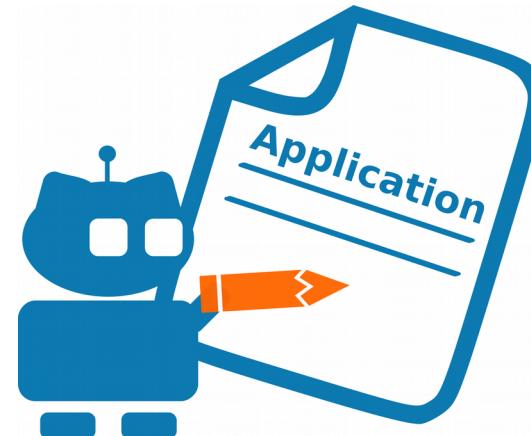


Xen®
Project



Outreachy Application

- Fill out your eligibility check
- Find a project
- Contact mentors & ask lots of questions!
- Make **multiple** contributions
- Fill out an application



What can I contribute?

- Code
- Tests & test frameworks
- Bug reports
- Answering questions
- Documentation & tutorials
- Graphics
- User Experience (UX)
- Marketing



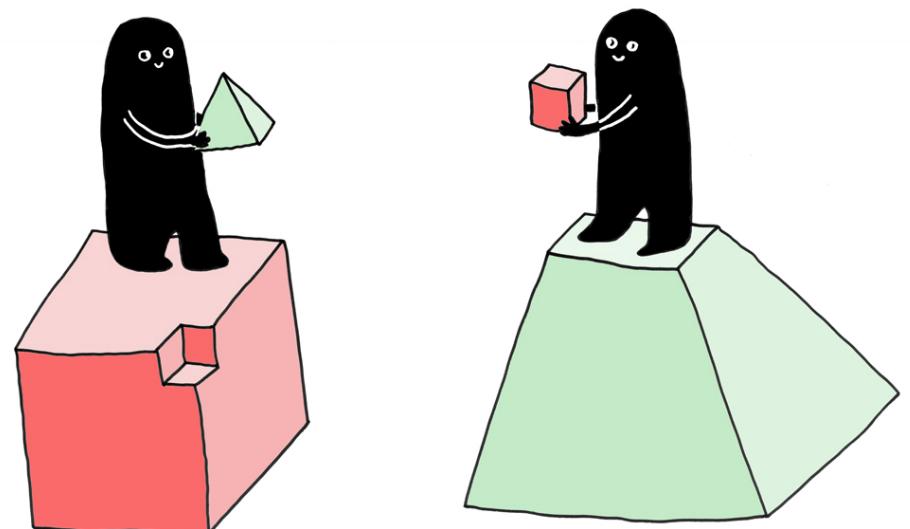
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How do I contribute?

1. Find your passion
2. Find a project associated with your passion
3. Talk to project maintainers
4. Find newcomer-friendly bugs/features
5. Integrate into the community

Community = Collaboration

- Many different collaboration tools for:
 - Source code hosting
 - Short conversations
 - Design discussions
 - Continuous integration
 - Bug tracking
 - Documentation



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Community Trust and Social Engineering

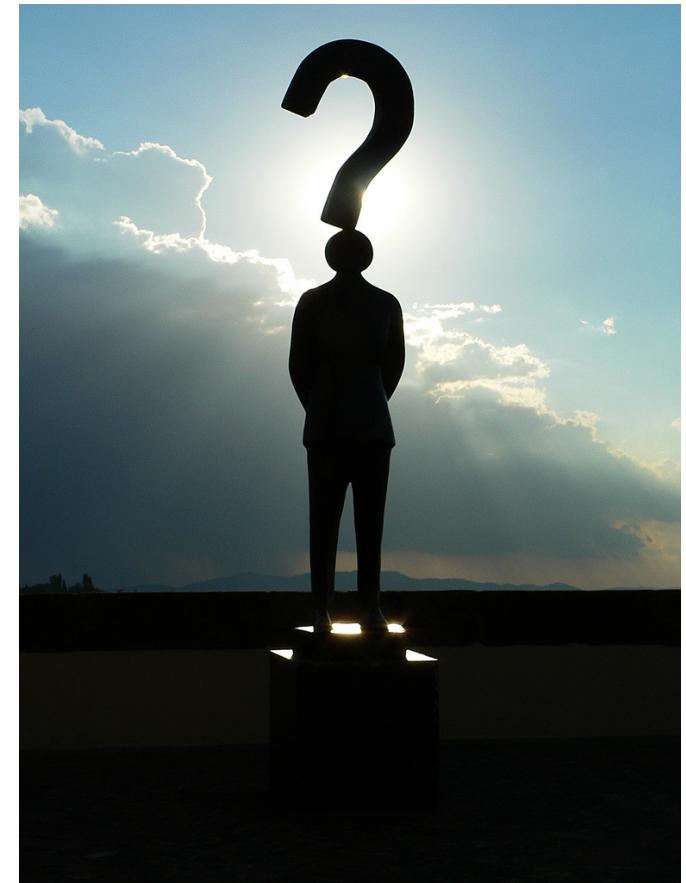
- Build a trust relationship with the community
 - Review patches
 - Ask questions
 - Submit small bug fixes
- Learn community norms
 - Email format
 - Coding style
 - Testing



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Tips for Asking Questions

- Always add the code owner and project mailing list
- Do your research
- Document where you looked
- Be concise and precise



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Tips for Bug Reporting

- Always add the code owner
- System information is crucial
- Reproducibility thinking
- Be responsive
- Hold onto hardware



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Tips for Code Review

- Keep a list of the feedback
- Address ALL feedback in revisions
- Track changes in your cover letter or github comments on the PR
- If you disagree with a maintainer, back yourself up with facts



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Successful On-boarding

- Don't code in a corner
- Do ask for feedback
- Ask lots of questions
- Take small bites
- Keep a list of new terms
- Contribute that list back!



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OUTREACHY

- <https://developers.google.com/open-source/gsoc/>
- <http://www.outreachy.org/apply>
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