



Contributing To Open Source, Lite



THANKS TO ALL OUR SPONSORS!



Who are we?

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What is open source?

- Open source is a term denoting that a product includes permission to use its source code, design documents, or content.
- More simply:
 - Free to use or expand upon
 - Community driven and built
 - Not just code
 - Scary!

Resources:

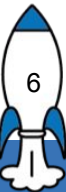
https://en.wikipedia.org/wiki/Open_source

<https://opensource.org/faq#osd>



What does it mean to contribute to open source?

It can mean just about anything that helps the project! Contributions do NOT have to be code



Coding

- Fixing bugs is a great way to get started
- Add smaller features the team won't be working on soon
- Ask if you can help with larger features
- Add tests



Designing

- Create a new logo
- Design the website
- Create some merch



Resources:

<https://svelte.dev/>

Planning/Organizing

- Help plan meetups or conferences
- Take a look at project direction and issues, help the maintainers plan out the future of the project

Resources:

<https://www.meetup.com/topics/opensource/>



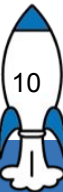
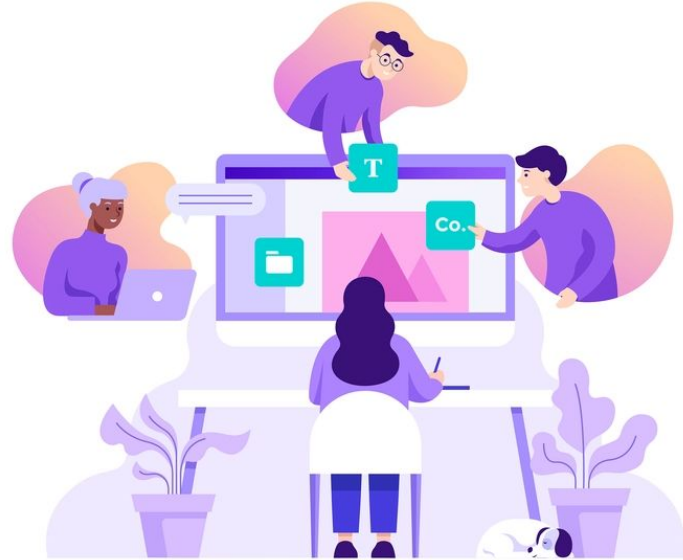
Helping others

- Stack Overflow/Reddit/Github Issues
- Reviewing changes
- Publishing examples, blog posts, books, videos, courses
- Presenting at a meetup or conference

Sources:

<https://github.com/getify/You-Dont-Know-JS>

<https://dribbble.com/shots/5902226-Team-Collaboration>



Documentation

- Writing clear and useful documentation can be just as useful as fixing a bug or submitting a new feature
- Know multiple languages? Translating is often needed!

Resources:

https://docs.jboss.org/hibernate/orm/5.0/mappingGuide/en-US/html_single/#identifiers-derived

DOCUMENT ALL THE THINGS?

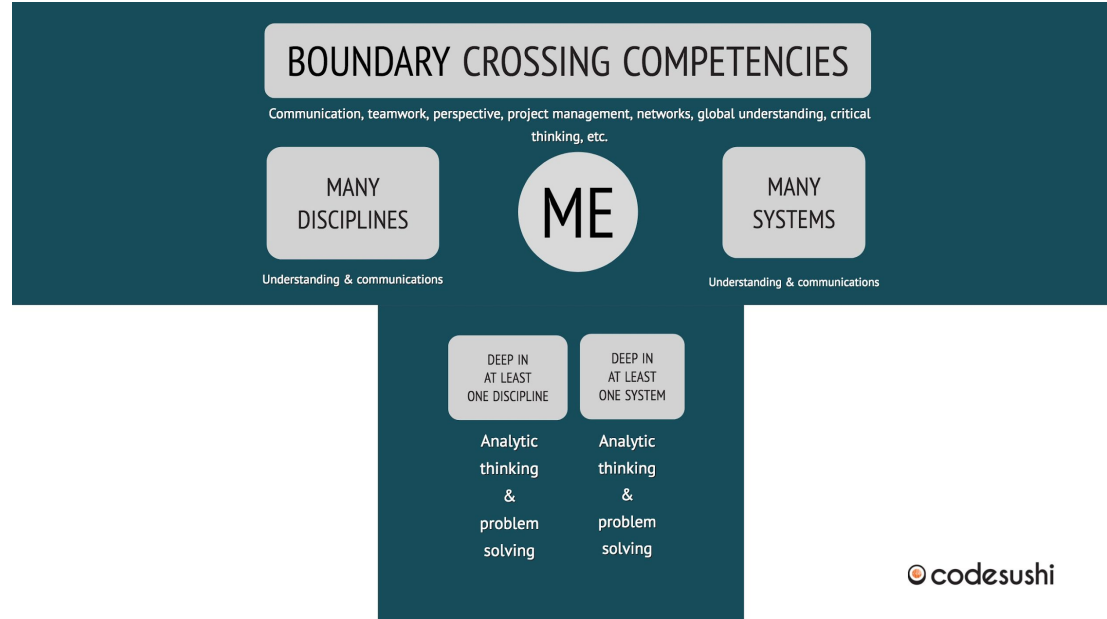


quidmama.com



Why is contributing to open source useful?

- Giving back to the community
- Networking
- Confidence building
- Improves professional skills
 - Coding
 - Problem solving
 - Teaching
 - Communication
 - Documentation
 - Testing
- Fix issues blocking your project



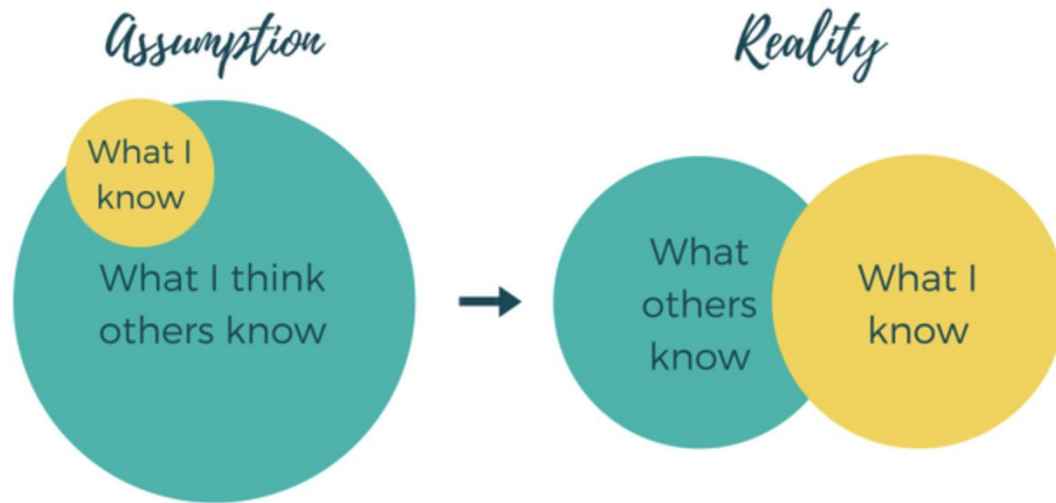
<https://codesushi.co/t-shaped-skills-matter/>

Why don't you contribute to open source?

- What can I offer? 😞
- Where to start? 😓
- Too busy 🧑🏠
- It's scary! 😨

You're not alone! 😊

———— The Imposter Syndrome ————



How to get past the roadblocks

- Start small
- Follow contributions from other community members
- Start with a friend
- Ask for guidance
- Participate in discussions
 - Stack overflow
 - Reddit
 - Github issues/Pull Requests



Guidelines for contribution

- Maintain manners and patience, politeness will go a long way
- Follow posted guidelines
- Follow project standards
- Follow project direction
- Be mindful, it's all remote communication
- Test your code contributions

Resources:

<https://ben.balter.com/2014/11/06/rules-of-communicating-at-github/>

<https://github.com/angular/angular/issues/30490>



Success stories - Paired contribution

Step 1 - Share your interest in working with someone

- Close friend
- Mentor
- Colleague you are hoping to build a relationship with



Success stories - Paired contribution

Step 2 - Decide on a shared area of interest

- Library or framework you both use often, or will be in the future
- Something you both have been wanting to learn
- Something you both are interested in building or teaching
- Maybe all of the above, pick one to start with.



Success stories - Paired contribution

Step 3 - Pick a time

- Grab some lunch together once a week, or a drink after work/on the weekend
- Ask if it could be team building or learning time

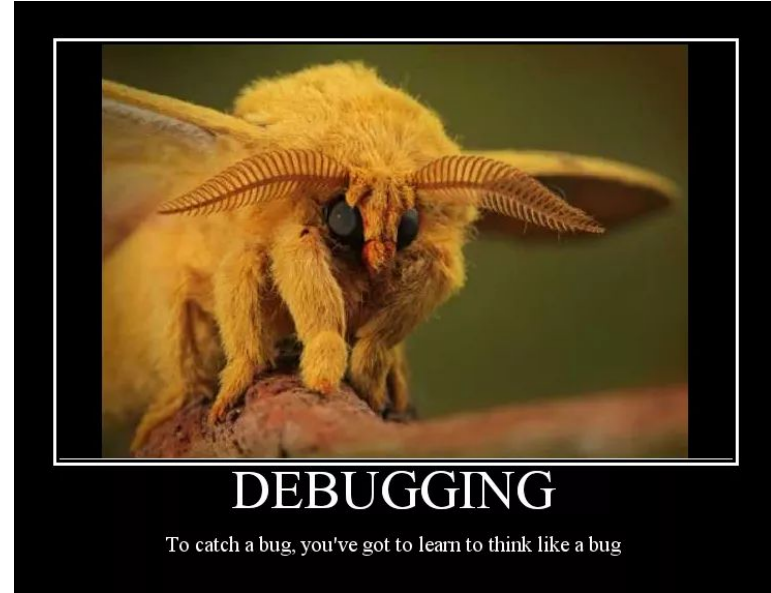


Success stories - Paired contribution

Step 4 - Pick a way to contribute

- See “What does it mean to contribute to open source?”
- Answering questions and helping to close/debug issues could be a great place to start!

<https://github.com/angular/angular/issues?utf8=%E2%9C%93&q=commenter%3AChrisDahmCs+commenter%3Aoakeefem2>



Success stories - Submitting a feature

Step 1 - Research your idea

- Is it already in development?
- Was it discussed already? Did the maintainers agree or disagree with the feature?



<https://github.com/angular/angular-cli/issues>

Success stories - Submitting a feature

Step 2 - Read up on the projects contribution guidelines and propose the feature

- Usually done by opening an issue on Github
- Do as I say, not as I do! Proposing a feature as a pull request could result in unnecessary work

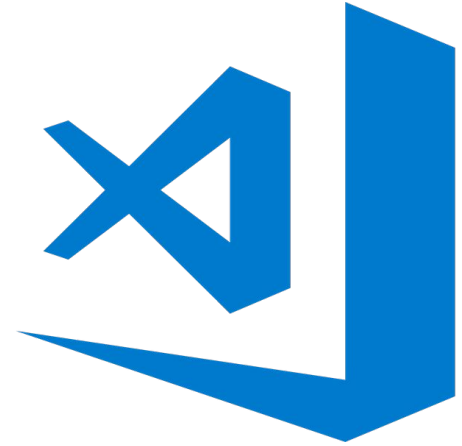


<https://github.com/angular/angular-cli/blob/master/CONTRIBUTING.md>

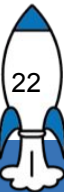
Success stories - Submitting a feature

Step 3 - Set up your dev environment (Warning: patience may be necessary!)

- Read up on any developer documentation
- Ask for help - but remember patience and manners, most people are as busy as you!
- Don't be afraid to dive deep to figure things out
- If the documentation is lacking, consider contributing!



<https://github.com/angular/angular-cli>



Success stories - Submitting a feature

Step 4 - Implement!

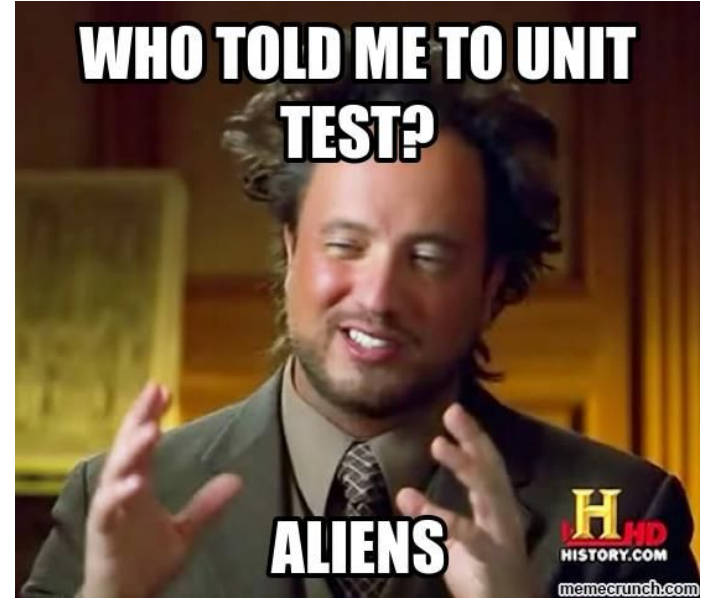
- Again remember patience, a lot of projects may seem foreign at first



Success stories - Submitting a feature

Step 5 - Test!!

- Don't forget to add/change unit tests
- Consider setting up a test project to test in



Success stories - Submitting a feature

Step 6 - Pull Request

- Again check developer documentation and ask questions
- Don't be discouraged if changes are rejected
- Rejoice!



<https://github.com/angular/angular/pull/27668>

<https://github.com/angular/angular-cli/pulls?utf8=%E2%9C%93&q=author%3Aoakeefem2>

Let's try it?

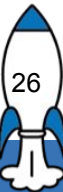
<https://github.com/firstcontributions/first-contributions>

Resources:

<https://www.firsttimersonly.com/>

<https://github.com/MunGell/awesome-for-beginners>

<https://github.com/velikanov/opensource-candies> - Thanks Trinidad!



Congratulations!

