Open Source

TRUST ME IT's EASY PEASY

What is OPEN SOURCE?

software for which the original source code is made freely available and may be redistributed and modified.

WHY OPEN-SOURCE???

Simple because it is cool...

PERKS OF BEING PART OF AN OPEN-SOURCE COMMUNITY

- To Improve the Code
- To Gain Competitive Advantage
- To Reduce Development Costs
- To Promote Industry Standards
- To Make the Software More Usable
- To Further Your Career
- To Give Back
- To Have Fun

"CLEAN CODE"

Code that is readable and maintainable – while contributing to open source projects. When developers realize that their code is exposed to the world, it makes them focus on making that code easy to understand and support. Programmers stick to generally accepted rules within a team, which include norms for indents, descriptions of methods and classes, variable names, and following the don't-repeat-yourself rule. In a nutshell, when contributing to free projects you're obliged to conform to the norms of a project.

To Land INTO A KICKASS job

- You will sharpen your written communication skills, understand how to pick and negotiate things to work on, perfect your Git Flow and many other things that are as valuable as understanding the language syntax.
- Work in a complex and large application
- Get a lot of good feedback
- Looks good in your CV and makes you sound cool:- If employers can see that you are an active member of large open source projects, that will tell them something else that is very important: software is not just what you do for a living, but it's also your passion and hence what you do in your free time. What do employers currently find when they search your name on Google? Open source will make you look great!

- **Awesome Networking:**-Well, that's exactly the value you offer as an active member of an open source community. **You know the product, you know the code, and the people behind the project know you. Chances are that you will eventually be offered to work for them.** In fact, almost a third of the first 40 engineers that GitLab hired were contributors to its codebase first.
- COOL SWAGS:- You will be getting all cool swags and goodies to show-off.
- # MONEY MONEY MONEY

- **COMPANIES PAY OPEN SOURCE PROGRAMMERS:-** *You might find it hard to believe this, but there are companies that pay the programmers who create open source software. For example, Red Hat, IBM, Novell, Linux Foundation and other distributors of Linux operating system pay the programmers working on Linux so that the work of upgrading and patching the software continues*

- **EARNING BY CREATING SPECIAL PLUGINS:-**

- **EARNING BY CUSTOMIZATION OF CODE**

- Earning By Providing Support

- Sell documentation

- Fixing bugs + gitpay = $$$

GITPAY

- Contribute with projects using development tools

- We use Git to track your deliveries in a collaborative way
- Be assigned to issues you have interest and send your solution

- Work in different projects, collaborate and learn with stacks
- Receive bounties by collaboration

- Receive bounties for the issues concluded with direct payment to your account

GITHUB SPONSORS

GitHub Sponsors allows the developer community to financially support the people who design, build, and maintain the open source projects they depend on, directly on **GitHub.** Note: Anyone with a **GitHub** account can become a *sponsor.*

COOL INTERNSHIPS

- GSOC
- OUTREACHY
- RGSOC
- GSSOC

GOOGLE SUMMER OF CODE

- **Community.** Helps you in networking and gaining contacts.

- **Stipend.** Google pays a really competitive stipend. **3000 USD**

- **Career.** Google Summer of Code is quite competitive. The fact that you were selected demonstrates an above average skill level, which acts positively when you are looking for jobs.

- **Chance with Google itself.** One time referral given to Google Summer of Code students can be used for a possible job opportunity at Google itself.

OUTREACHY

- Each intern gets **$5,500 USD,** and an extra $500 USD travel grant to use within a year of their internship period.

- **MOZILLA PERKS:-**

1. **All Mozilla interns get LDAP credentials**. This means you get a @mozilla.com e-mail address like all regular employees. You get to take part in team meetings and have access to pretty much everything.

2. All interns get a laptop to keep. What you get varies from year to year. This year they gave a 15" **Macbook Pro retina** 2015 model to all the interns.

3. In the past, interns were **invited to attend** <u>All-Hands</u>, the Mozilla company work week, which happens twice every year in various parts of the world.
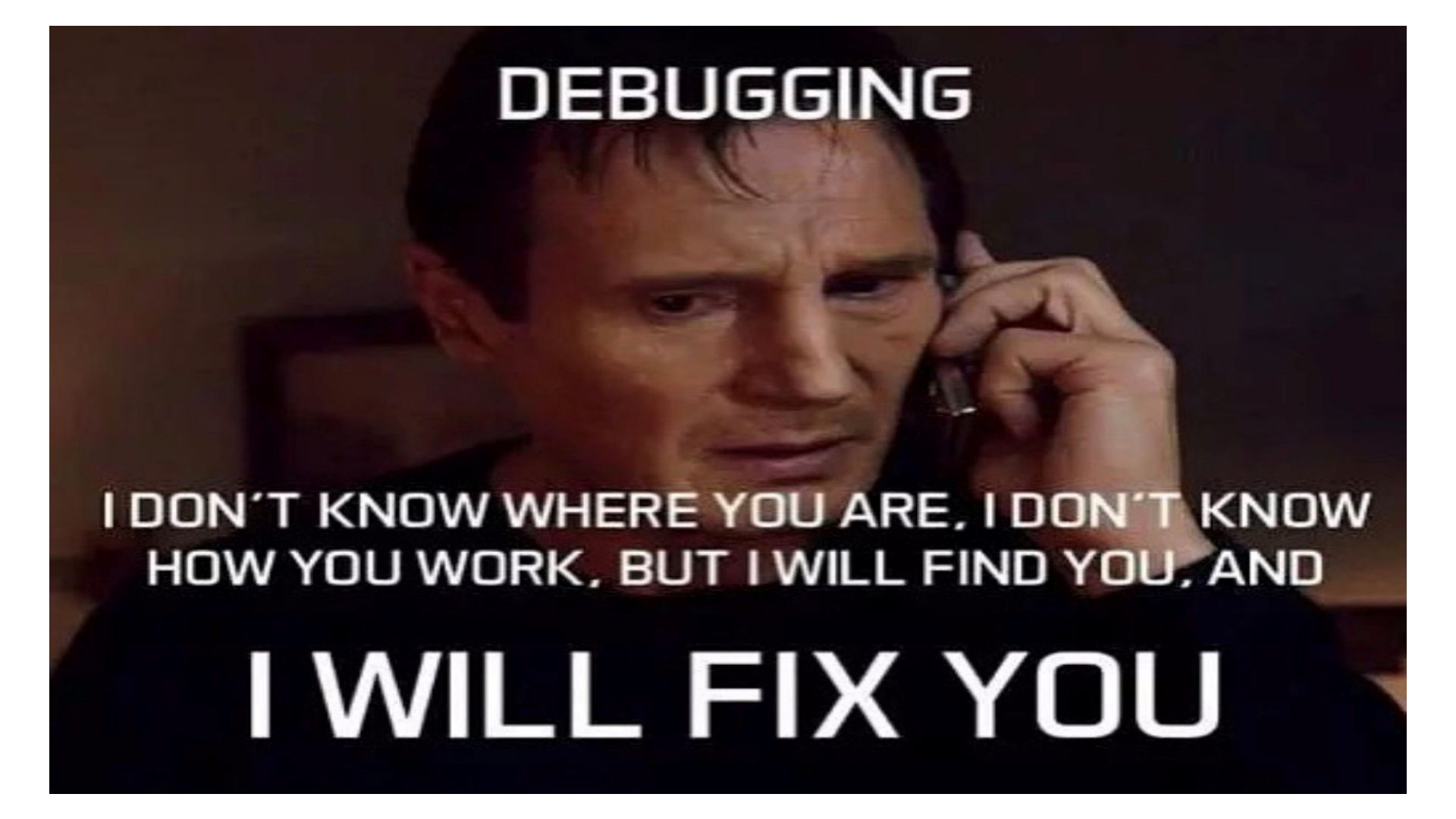
GSSOC

Top performing mentor-participant win Google Home 4 GirlScriptSummerofCode. Top 3 win Cash PrizeTop 5-10 win a paid trip to Girlscript India Summit 2018 alongwith 2.7 lac worth courses from CodingBlocksIn and Top 50 wins T-shirt, stickers, sippers!

CONS OF OPEN-SOURCE :(

- You'll spend more time getting the software into shape. IT's not a one day task.
- If the product doesn't work in the way you expected, you have to get it sorted out yourself.
- No one is obliged to help.
- The potential of orphaned software is greater.
- As Spiderman already learned: "With great power comes great responsibility."

- GSoC will consume a lot of time, my personal advice is to do it between fourth and fifth sem of B.Tech.
- It's work from home, you will not visit any corporate office, this is little bit boring and limits learning upto an extent.
- It will only help you to get interviews calls, without competitive programming you cannot clear those interviews.
- GSoC makes you a better developer, tester and debugger but it doesn't help you to tackle interviews.
- Risk of forking
- ... ehm ... errr ... well