

Google Summer of Code Experience

“Flip bits, not burgers”



Google Summer of Code

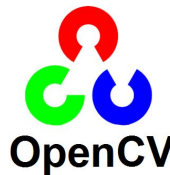
Jakub Macina
@dmacjam



PeWe Ontoparty
10th November 2017

Motivation - my summer story

- Got more practical experience which boosted my resume
- Got mentorship
- Got paid
- Gave back to the community
- Enjoyed summer after finishing university





Google Summer of Code Programme

- Global university student programme
- Open source software development
- Remote work
- Students:
 - inspire and involve to open source community
 - exposure to real-world software development
 - improve your skills & get feedback
 - collaborative coding & building network
- Open-source communities:
 - bring new developers
 - try new ideas
- More open source code released to benefit of all
 - 12 years and over 30M lines of code



Google Summer of Code

GSoC 2017 stats

- 1,318 students accepted from 72 countries
 - 18.6% acceptance rate
- 198 open source organizations
 - 1,647 mentors with active projects from 69 countries
- 86.2% overall success rate

Open source culture

- Openness, sharing, transparency
- Volunteers with enthusiasm



It was kicked off by master's thesis

- Udacity



The working directory problem

Courses Linux Command Line Basics



sandejka

Oct 25

Hi,
I think I don't have directories like it's in course. After `ls -a` command, I get this output:
`... .bash_history .bash_logout .bashrc .cache .profile .ssh`
Where is the Ocean ?

👍 🔑 📖 ↩ Reply

created	last reply	3	26	2	1		
 Oct 25	 Oct 27	replies	views	users	like		



abhishek_ghosh Forum Mentor

Oct 27

Hello @sandejka !!

Did you `cd` into the `/vagrant` directory before doing the `ls -a` command ?

Best,
Abhi 😊

Oct 25

1 / 4
Oct 26

Back

Oct 27



It was kicked off by diploma thesis

- Udacity



- Maybe even sooner...

The working directory problem

Courses Linux Command Line Basics



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1 / 4
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Oct 27



Stahuj			
Sekcia		Obsah	Posledný príspevok
Hľadám Hľadáte obsah na stiahnutie ? Napište žiadosť sem		29448 Príspevkov 13376 Tém	v Re: Hľadám rozprávkov...
↳ Hľadám Film, Hľadám Hru, Hľadám Hudbu, Hľadám Softvér, Hľadám Ostatné			
Hry Hry na stiahnutie každého typu		9400 Príspevkov 4932 Tém	v F1 2016 (2016) od Tomas737
↳ Hry na PC, Hry na PS, Hry na Xbox, Hry na Nintendo, Online Hry			
Filmy Celovečerné filmy na stiahnutie každého žánru		119420 Príspevkov 27102 Tém	v Re: Logan: Wolverine I...
↳ Filmy - originál, Filmy - dabing, Filmy - animované, Filmy - HD, Filmy - 3D, Filmy - dokumenty, Vlastné filmy, Videá, Videá - šport			
Seriály TV Seriály na stiahnutie		6080 Príspevkov 1808 Tém	v Re: Prison Break / Úte...
Hudba Audio materiál na stiahnutie		104787 Príspevkov 52710 Tém	v Hansen & Friends - Tha...
↳ Sk/Cz, Metal, Videoklipy, Pop, Hip-Hop, Techno/Dance/Trance, DnB, Rock, Punk, Soundtracky, Výberovky, Ostatná, Koncerty, Vlastné tvorba			

Discourse



- discussion platform built for the next decade of the Internet
- open source (GNU General Public License Version 2.0)
- trust system
- 10 000+ forum instances in total
- 700+ paying customers - Udacity, Imgur, Facebook React, ...

<https://www.discourse.org/>



So I started reading and discussing on meta community forum



<https://meta.discourse.org/>

First pull request

[discourse / discourse](#)


[Watch](#) 899[Star](#) 23,153[Fork](#) 5,829

[Code](#)[Pull requests](#) 12[Wiki](#)[Insights](#)

FEATURE: Append tags bulk action for topics #4622

[Merged](#) nialonde merged 1 commit into discourse:master from dmacjam:master on Feb 28

[Conversation](#) 8[Commits](#) 1[Files changed](#) 6+96 -5




dmacjam commented on Dec 24, 2016

Contributor

Related meta forum topic: <https://meta.discourse.org/t/bulk-actions-add-tags-in-addition-to-change-tags/40059>


I added new button for appending tags to topics in bulk action and renamed old button to replace tags as suggested in <https://meta.discourse.org/t/multi-select-change-tags-breaks-stuff/43727/6>

👍 1



discoursebot commented on Dec 24, 2016

Thanks for contributing this pull request! Could you please sign our CLA so we can review it?
<http://www.discourse.org/cla>




jomaxro commented on Jan 9

Owner


@SamSaffron any progress with this? Would love to use this on my site!

👍 1

Reviewers

 nialonde ✓

Assignees

 nialonde

Labels

None yet

Milestone


No milestone

Notifications

🔊 Unsubscribe

You're receiving notifications because you modified the open/close state.

5 participants



Who is in the meta community



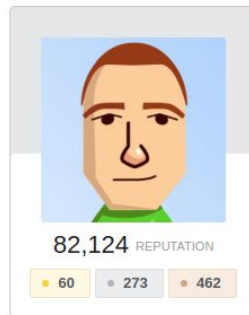
CODING HORROR
programming and human factors

Jeff Atwood

2004 - started blogging

2008 - StackExchange founder

2012 - Discourse founder



Sam Saffron top 0.19% overall

Co-founder: <http://www.discourse.org>

email: sam.saffron@gmail.com

blog: <http://samsaffron.com>

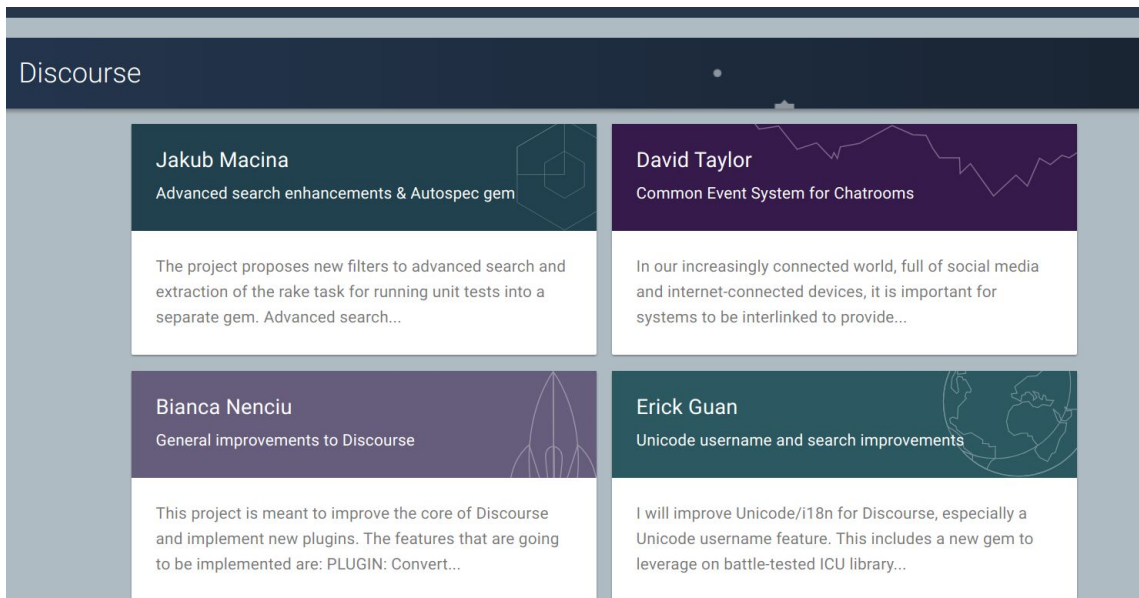
twitter: [@samsaffron](https://twitter.com/samsaffron)

Ex Stack Overflow Valued Associate #00008, creator of [Stack Exchange](http://StackExchange.com) Data Explorer, co-creator of Media Browser (now emby <http://emby.media/>)

Other Projects:

- Logster : <https://github.com/discourse/logster>

And then I applied to Google Summer of Code...



The image is a screenshot of the Discourse website, specifically the Google Summer of Code (GSoC) page. The page has a dark blue header with the word "Discourse" in white. Below the header, there are four project proposal cards arranged in a 2x2 grid. Each card has a colored header bar with the proposer's name and project title, followed by a white box containing the project description. The cards are: 1. Jakub Macina: Advanced search enhancements & Autospec gem (dark teal header, geometric pattern). 2. David Taylor: Common Event System for Chatrooms (dark purple header, line graph pattern). 3. Bianca Nenciu: General improvements to Discourse (dark purple header, abstract pattern). 4. Erick Guan: Unicode username and search improvements (dark teal header, globe pattern).

Discourse

Jakub Macina
Advanced search enhancements & Autospec gem

The project proposes new filters to advanced search and extraction of the rake task for running unit tests into a separate gem. Advanced search...

David Taylor
Common Event System for Chatrooms

In our increasingly connected world, full of social media and internet-connected devices, it is important for systems to be interlinked to provide...

Bianca Nenciu
General improvements to Discourse

This project is meant to improve the core of Discourse and implement new plugins. The features that are going to be implemented are: PLUGIN: Convert...

Erick Guan
Unicode username and search improvements

I will improve Unicode/i18n for Discourse, especially a Unicode username feature. This includes a new gem to leverage on battle-tested ICU library...

Timeline

- Organizations apply - January
- Students apply - March
- Accepted students - May
- Community bonding period
- Coding Dates: May 30th - August 29th
 - 3 milestones
 - Phase 1 evaluation after 1 month
 - Phase 2 evaluation after 2 months
 - Final evaluation



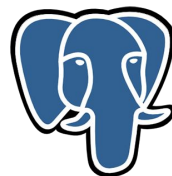
Apply



Code

Find organizations

- Check the list of open source organizations - 198 open source organizations
- Introduce GSoC to an open source organization



PostgreSQL



How to get in touch with the community

- Sign up to mailing lists, IRC channels, ...
- Check bug/issue tracker
 - Github issues, JIRA, Bugzilla
- Read community and contribution guidelines, follow netiquette
- Observe
- Introduce yourself
- Ask questions
- Check project ideas - do not limit on them

Ideal GSoC applicant



- student, available for 3 months during summer
- prior open source contribution (involvement in the project)
 - Proved experience
 - Or enough motivation to learn

<https://blog.discourse.org/2016/03/the-ideal-gsoc-applicant/>

How to write good proposal



Apply

- Synopsis - project scope, focus on benefits to community
 - Project details
 - description, mockups
 - user story, use cases, task breakdown
 - extensions
 - Groundwork
 - Project schedule - your commitment, holidays
 - Schedule
 - Experience - why do you fit?
 - free time projects, work experience, university studies
 - Tip: Ask for a feedback before submission
-
- My project proposal for inspiration: <https://gist.github.com/dmacjam/887e50a4d1b349f6b7e44f6302314d62>

Project proposal

- Me: 3 different proposals
- Up to 5 proposals
- Prioritize
- Tip: focus on one project



Apply

Day as a GSoC student



Code

- discussing plan and ideas with your mentor/community
 - Slack, Hangouts
- pushing code to your fork of repository
 - followed by pull requests with code review
- documenting code and features
- weekly reports
- remote work
 - communicate clearly and often - getting and giving a lot of feedback
 - time difference
 - focusing on delivered results
 - be careful of separating work and free time

3:29
TORONTO
-05:00



8:29
UNITED KINGD...
+00:00



9:29
BRATISLAVA
+01:00



10:29
BUCHAREST
+02:00



13:59
JODHPUR
+05:30



16:29
SINGAPORE ST
+08:00



19:29
SYDNEY
+11:00



Lessons learned

- Be confident about your skills and submit your proposal
- Writing unit tests and integration tests
- Full stack skills
 - Database design, product upgrades
 - Impact of code performance in real world product
- Bonus: Certificate, cool t-shirt, Google one-time referral, tour visit and lunch in Google office in Silicon Valley, possibility to attend GSoC meetups around the world

It's all about the community

- Applications opens in March, 2018 - apply early, get early feedback
- Great learning experience
- Prestigious programme

jakub.macina@gmail.com

- My final report:
<https://summerofcode.withgoogle.com/archive/2017/organizations/4878856288731136/>
- Blog post: <https://dmacjam.github.io/gsoc17-discourse/>

Useful resources

<http://groups.google.com/group/google-summer-of-code-discuss>

<https://google.github.io/gsocguides/student/>

<https://summerofcode.withgoogle.com/archive/2017/organizations/>