
Google summer of Code

— Oleksandr Dudinskyi —

Who am I?

- Initially, I've started my career as a FreeBSD kernel developer, then continued with JAVA EE, but finally moved to amazing mobile world. As of now, I am in mobile development for more than 5 years.
- Solid understanding of the full mobile development life cycle gave me the ability to successfully release several projects as a primary developer and two massive project as a team leader.

What is google summer of code?

The **Google Summer of Code**, often abbreviated to **GSoC**, is an international annual program, first held from May to August 2005,^[1] in which Google awards stipends, which depends on place of university of the student,^[2] to all students who successfully complete a requested free and open-source software coding project during the summer. The program is open to university students aged 18 or over.

What GSoc can give to you as a student ?

- An unusual experience for CV
- Practice on real project with deadline
- Money
- Flexibility

Requirements for applicant

- be eighteen (18) years of age or older upon registration for the Program
- be enrolled in or accepted into an accredited institution
- for the duration of the Program, be eligible to work in the country in which he or she resides
- not be an Organization Administrator or Mentor in the Program
- * more <https://summerofcode.withgoogle.com/rules/>

Timeline

- Student Application Period (March 20, 2017 - April 3, 2017)
- Student Projects Announced (May 4, 2017)
- Coding (May 30, 2017 - August 21, 2017)
- Evaluations (June 26 - 30, 2017, July 24 - 28, 2017)
- Students Submit Code and Final Evaluations (August 21 - 29, 2017)

If I want to participate what I need to do?

- Understand what I like and what I can do (maybe have experience with(?))
- Find organization
- Find mentor
- Choose project
- Send application

Work hard



How to increase my chance to get a project

- Choose big and famous project, it will be definitely selected (Linux, KDE, Firefox)
- Meet virtually or physically main contributors for this project
- Make several bugfixes or small features to understand the project inside and show community that you are know how to do things

Can be a plus (for my mind)

- Active Github profile
- Good understanding of selected programming language (couple of example project using this language and technology)
- Good english knowledge level
- Previous working experience

How find a good mentor

- To have a friend who is a contributor to open source organization
- To know someone who is contributor to open source organization
- Read forums, IRC, twitter discussion
- Check “Ideas” pages creators

My first project

22 May 2011 – 21 August 2011 – FreeBSD foundation

Project: Disk device error counters

Created new options in iostat utility “-e”. It's a statistics of disk device error. Analogs of this command are presented in similar systems(Solaris). Information provided by this command is necessary for the analysis of disk device. Project Role: Unix kernel developer.

<https://wiki.freebsd.org/Disk%20device%20error%20counters>

Second project

21 May 2012 – 20 August 2012 – FreeBSD foundation

Project: Port NetBSD's UDF implementation

Implemented functionality that was added in version UDF 2.01, 2.50 and 2.60(such as Metadata Partition facilitating and pseudo-overwrite capability).

<https://wiki.freebsd.org/action/show/SummerOfCode2012/UDFImplementation?action=show&redirect=%5BSummerOfCode2012%2FUDFImplementation>

Third project

18 June 2013 – 20 September 2013 – Participant of Google Summer of code, Google Summer, Kyiv, Ukraine

Project: VirtualBox shared folder support for FreeBSD guests

Implemented VFS virtual system for VirtualBox shared folder. This project consisted of two parts. First was investigation on how VirtualBox works with guest systems and got submitted upstream from guest system. The second part was implemented VFS virtual system in FreeBSD side, that is kernel interface to file system, the special file system for "shared folder" which contains files from a host system that would be mounted.

Q & A

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