

Google Summer of Code 2019 at CERN-HSF



Andrei Gheata, Antoine Pérus, Javier Cervantes

HEP Software Foundation Weekly Meeting, 17/01/2019

Google Summer of Code (GSoC)

- Created in 2005 to:
 - Expose students working remotely to real open source projects
 - Bring new talent and ideas into open source
- GSoC totals
 - 651 organisations developing open source SW
 - 14000+ students, 35 000 000+ LOC
- CERN-HEP organization
 - CERN EP-SFT Participating since 2011
 - 2017 - Evolution into an umbrella organisation:
CERN-HEP Software Foundation
 - 2018: **29 students** accepted (26 successful)

Under the Umbrella

25 Organisations



64 Mentors



- New administrators
 - [Andrei Gheata](#) , [Antoine PÉrus](#) , [Javier Cervantes Villanueva](#)
 - Big thanks to Enric and Sergei!
- Communication channels
 - hsf-gsoc-admin@googlegroups.com
 - Contacting the admins (please use this rather than individual mails)
 - hep-software-foundation-google-summer-of-code@googlegroups.com
 - Used by candidates seeking for projects and for general HSF-GSoC announcements
 - Please subscribe to this if you have not already

How to participate?

- **February 4 - Internal proposal submission deadline**
 - Proposals can be about anything **around code**:
new features, plugins, test frameworks, new algorithms, infrastructure, ...
 - **Projects have to be free/open source!**
 - Submit proposals either through a [Github PR](#) (preferred option) or sending us a [mail](#) for each new proposal
- **Resources:**
 - HSF Google summer of code 2019 [page](#)
 - [Instructions](#) for participating projects and mentors
 - GSoC general and mentor [rules](#)
 - GSoC [timeline](#)
 - Information from [last year's](#) GSoC

Annotated timeline

January 15 20:00 UTC	Mentoring organizations can begin submitting applications to Google
February 6 20:00 UTC	Mentoring organization application deadline
February 6 - February 25	Google program administrators review organization applications
February 26 12:00 UTC	List of accepted mentoring organizations published
February 26 - March 25	Potential student participants discuss application ideas with mentoring organizations
March 25 18:00 UTC	Student application period begins
April 9 18:00 UTC	Student application deadline
May 6 18:00 UTC	Accepted student proposals announced
Community Bonding Period	Students get to know mentors, read documentation, get up to speed to begin working on their projects

4. Community bonding period

- Establish communication channels, meeting frequency
- Integrate students to group activities (meetings, mailing lists, ...)
- Make students familiar with your code and workflow

1. Mentoring org application period

- Prepare project ideas
- We gather new project proposals until **February 4**, published [on HSF-GSoC page](#)
- Prepare a test for checking student's coding ability

2. Student-org interaction period

- Students contact mentors of projects of interest, mentors select potential candidates
 - Ask for their CV!
 - Understand student responsiveness (give extra info and ask for feedback)
 - Rank students and communicate to admins only (final decisions should NOT be shared with students)
 - **sign on as a mentor on GSoC Website**

3. Students propose projects describing their plan of work, shared first with mentors

- Make sure the plan is feasible and leads to your project objectives
- **Check students availability for the full coding period (June to August)**
GSoC is a full-time job for 3 months

Annotated timeline

May 27	Coding officially begins!
June 24 18:00 UTC	Mentors and students can begin submitting Phase 1 evaluations
June 28 18:00 UTC	Phase 1 Evaluation deadline
Work Period	Students work on their project with guidance from Mentors
July 22 18:00 UTC	Mentors and students can begin submitting Phase 2 evaluations
July 26 18:00 UTC	Phase 2 Evaluation deadline
Work Period	Students continue working on their project with guidance from Mentors
August 19 - 26 18:00 UTC	Final week: Students submit their final work product and their final mentor evaluation
August 26 - Sept 2 18:00 UTC	Mentors submit final student evaluations
September 3	Final results of Google Summer of Code 2019 announced
October	Mentor Summit at Google

5. Coding period (May 27 - August 26)

- Make sure at least one mentor is available for the student at any time
- Maintain regular contacts and meetings with the student
- Discuss early with admins if any problems arise
 - Illness, unusual excuses
- **Fail early**
- Integrate student work into existing communication channels
 - Organize intern and final presentations

Expected commitment: 2-3 hours/week depending on the period of GSoC (usually more in the first few weeks and less in later weeks)

Please refer to our [mentor guide](#) for more detailed info

Time to submit project ideas is NOW, don't miss this nice opportunity!
Questions? Don't hesitate to ask!