

Kernel Internship Report (Outreachy)

Successor of the Outreach Program for Women (OPW)

Julia Lawall (Inria/Irill/LIP6)

Lidza Louina (Oracle), Lisa Nguyen (Linaro), Elena Ufimtseva (Oracle),
Greg Kroah-Hartman (Linux Foundation), Jes Sorensen (Red Hat),
Konrad Wilk (Oracle), Karen Sandler (Software Freedom Conservancy)

<http://outreachy.org>

August 19, 2015

What is Outreachy?

- Organized by the Software Freedom Conservancy
 - Formerly OPW, organized by Gnome.
- Goal: Get more women and other underrepresented groups into open source.
- Internship:
 - 3 months
 - \$5,500 stipend
 - Paired with mentor
- Timing: May – August, December – March.

Some numbers

- 2002 FLOSS: Survey and Study (flossproject.org)
“... women do not play a role in the development of Open Source and Free Software; only 1.1% of the FLOSS sample is female.”
- Perhaps more like 11% today.
- GSoC 10% women in 2014.
- Geek feminism's list of women in FLOSS contains 303 names (http://geekfeminism.wikia.com/wiki/List_of_women_in_FLOSS)
- Linux kernel logs contain 4337 unique authors/emails since August 19, 2014

Who can apply for an internship?

- Women (cis and trans), trans men, genderqueer people, and all participants of the Ascend Project regardless of gender.
- Must be able to work full time.
- Can work remotely.
- Don't have to be a student.

Which projects are involved?

- Recent kernel projects:
 - Summer 2015 (Round 10): Coccinelle, Media Controller Virtual Driver, Modernize Linux Wireless drivers, Full Dynamic Ticks, IIO dummy driver.
 - Winter 2014 (Round 9): Kernel tinification, Coccinelle, Surviving Year 2038, IIO staging drivers cleanup, Khugepaged swap readahead
- Other projects:
 - Debian, GNOME, Mozilla, OpenStack, Wikimedia, etc.

Internships are financed by the project's organization, or by industry sponsors.

Round 11 will open soon!

- Application period: 5-7 weeks, starting in early September.
- Applications due October 26.
- Accepted interns announced November 16.
- Internship period: 3 months, December 7 - March 7.
- <https://www.gnome.org/outreachy/>

How to apply

- Pick a project
- Contact a mentor
- Contribute to the project
- Fill out an application

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How to apply for the Linux kernel

- First patch tutorial: <http://kernelnewbies.org/OutreachyIntro>
- Clean up staging drivers
 - Learn about patch structure, coding style, tools.
- Small tasks from kernel mentors.

Contributions from applicants and interns

- 23 participants in the application period for summer 2015
- 17 submitted eligible applications
- 5 interns chosen
- 746 patches accepted **overall** from the 23 participants
 - 5523 lines added, 6324 lines removed
- 287 patches from the 5 **accepted applicants** during the application period
 - 2163 lines added, 2650 lines removed
- Intern **Aya Mahfouz** was the 5th most active contributor to Linux 4.1 in terms of patches and **Outreachy** was the 8th most active organization.

How can I help?

- Companies and individuals can:
 - Donate funds to support interns
 - Contact: `outreachy-admins@gnome.org`

- Kernel developers can:
 - Review patches
 - Volunteer as mentors
 - Contact: Julia Lawall <`Julia.Lawall@lip6.fr`>

Panel discussion

Recent interns

- Lidza Louina (Oracle)
- Lisa Nguyen (Linaro)
- Elena Ufimtseva (Oracle)

Recent mentors

- Greg Kroah-Hartman (Linux Foundation)
- Jes Sorensen (Red Hat)
- Konrad Wilk (Oracle)

Outreachy admin

- Karen Sandler (Software Freedom Conservancy)