Let’s think independently together

Shuah Khan
Linux Kernel Fellow
skhan@linuxfoundation.org
@ShuahKhan
Life of an open source developer!!

Contributors might choose to stay in that role. Maintainer role might not appeal to everybody.

Multiple roles at once.
Inject new talent and increase diversity

Improve security and quality of Linux kernel releases

Build stronger and sustainable kernel community

Connect trained talent and prospective employers

Let’s think independently together!!
Linux Kernel Mentorship Experience!

3 full-time and 2 part-time programs a year!!

Application Process - 6 weeks
- Connect with kernel maintainers and developers
- Learn to write and submit patches
- Learn to debug and analyze bugs
- Pick a project
- Complete application

Complete Mentorship
- Network with kernel community and prospective employers at a conference!
- Blog about your experience!!

Mentorship - 12 weeks
- Complete your project working with your mentor
- Get paid to learn!!

Want to know more, visit:
Linux Kernel Mentorship Project
Linux Kernel Mentorship Program
Mentorship Milestones

1. Initial Evaluation at 3 weeks
2. Midterm Evaluation at 6 weeks
3. Final Evaluation at 12 weeks
2019-2020 Program Overview

- **Summer 2019**: June 17 - Sept 6 2019
  - 2 mentees

- **Fall 2019**: Aug 26 - Nov 15 2019
  - Applications process in progress: June 17th - July 26 2019

- **Spring 2020**: Jan 13 - April 3 2020
  - Application process starts on Nov 1 2019

- **Summer 2020**: May - Aug 2020
  - Applications open in Mar 2020
CommunityBridge Mentorship Programs

Common platform to connect, network, and work together ...
Where are we?

Summer 2019: June 17th - Sept 6th
- 2 mentees participating - 2nd evaluation is in progress.

Fall 2019 - applications closed - June 17th - July 26th.
- 10+ started & 4 applied. 2 selected. (Career development)
- Working on Linux Kernel Documentation updates and ReSt conversions - Jon Corbet, Mauro Chehab, community.
- Static analysis fixes (cppcheck findings)
- Bug fixes (syzbot)

76 commits to the kernel.
Mentee Experience - Kelsey Skunberg

- Receive Learning Material and Guidance
- Learn to work with Open Source Communities
- Build Confidence
- Become a Successful Contributor
Mentee Experience - Kelsey Skunberg

Application Process
Start strong by learning how to build patches, debugging, completing boot tests, and how to work with open source communities.

Mentorship
Work with mentor and contribute to selected project. Continue to build skills taught during the application process.

Moving Forward
Continue to contribute to Linux kernel. Pass on knowledge and help future Linux Kernel Mentorship Program Mentees.
“The best resource I had was the Linux maintainer community and the mentors that provided feedback to me. Everyone was great, and I really appreciate the teamwork. I learned a lot about the patch submission process. It is extremely amazing how the Linux maintainer community, which is worldwide, does all its work in email.”
“More than anything I learned that kernel development is not as intimidating as it might first seem! The people in the community are very nice and seem to be united by a love of good software, something I very much appreciate and see myself being a part of.”
“Overall, I do feel that the kernel community is very welcoming given that we put the effort to learn things by ourselves. In all the mails in the mailing lists I have read, I have always observed that kernel devs are welcoming of new ideas and always give constructive feedback which opens doors to improvement.”
“I have always wanted to do kernel work but always puzzled over where to start. Signing up for the Linux Kernel Mentorship Program, and the six-week experience therefrom, was demystifying.”
“The stable release cycle allowed me to gain a better understanding on how releases function. The automated testing is more efficient, but individual contributor testing can reveal edge cases. No release, I tested, had issues, and I used it until the next release came out.”