UXL Foundation Monthly Update

September 2024

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Unified Acceleration Foundation

UXL Foundation Members

Steering Members

arm | FUJITSU | GE HealthCare | Google Cloud | Imagination | intel
Qualcomm | SAMSUNG | vmware by Broadcom

General Members

SK hynix | Micron

Contributing Members

AKHETONICS | AXELERA | Canspirit | CloudsAI | CODE RECKONS | DENSO
EMBECOSM | FIXSTARS | Flapmax | InspireSemi | G | HUAWEI
Mercedes-Benz | onefact.org | ThunderSoft | UNTETHER AI | wipro | XIANGDIXIAN

Affiliate Partners

THE AUTOWARE FOUNDATION | KHRONOS GROUP

Welcome new members

- GE HealthCare
- Micron
- SK Hynix

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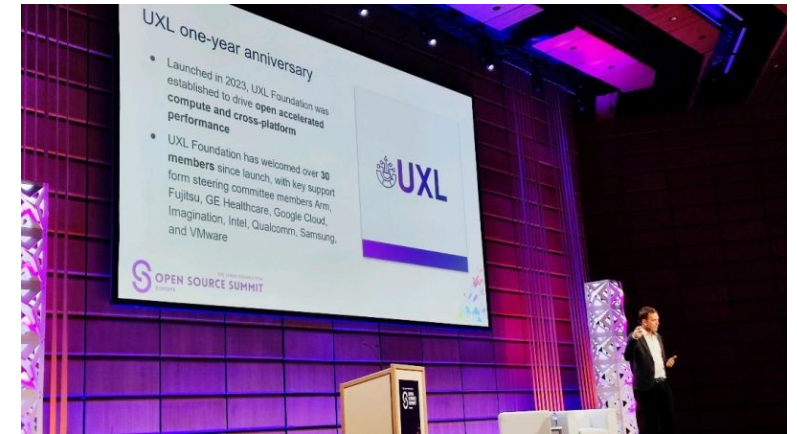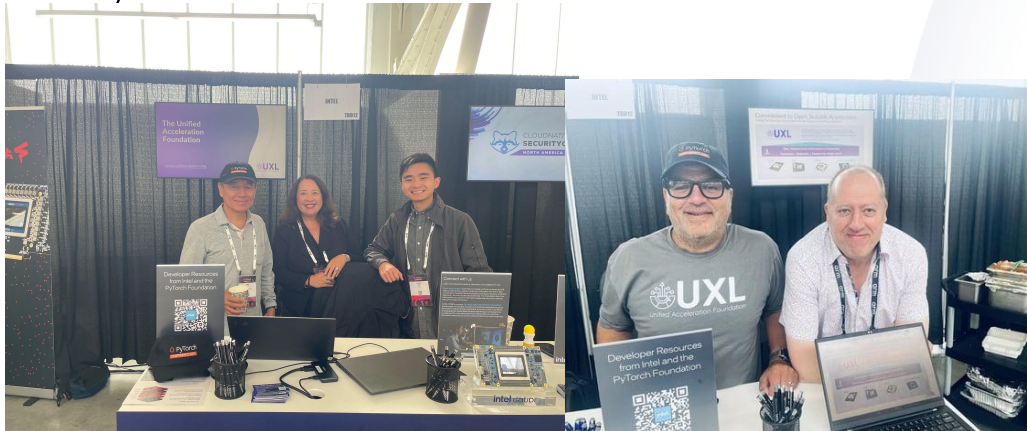
UXL Foundation September 2024 Highlights

- [We celebrated](#) our 1 year anniversary by welcoming three new members :
  - GE HealthCare (Steering) , Micron and SK Hynix (General)

- The UXL is hosting DevSummit events on 9th and 10th October

  - There will be talks from both our members and the broader community

  - [Registration is open](#)

- A UXL members meeting will be held in November following the DevSummit

- The oneDNN project made a [generic GPU backend](#) available

- Discussions are ongoing around [structure changes](#) to the oneMKL project

- The Llama.cpp project has a [new backend that uses SYCL and oneMKL](#)

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Events & Marketing Update

- We celebrated the 1 year anniversary of the UXL Foundation
  - A [blog post](#) was published to celebrate
  - Representation was also at the OSS event in Vienna
- The DevSummit [agenda](#) is available and registration open
- Intel and Arm had strong UXL Foundation presence at the PyTorch Conference

OSS Vienna Keynote by LF Gabriele Columbro

PyTorch Conference

Working Groups + SIGs

Open Source Working Group

[Project best practices](#) work package

- Overall > 90% of issues completed

[Security processes and infrastructure](#) work package

- OpenSSF scores calculated
- Average is still > 7.5/10

[Public Build Infrastructure](#) work package

- Some projects, such as oneDNN and oneTBB now have public build logs and machines

- Codeplay is working on other public infrastructure and documentation

oneMKL Re-organization work package

- [RFC](#) available for feedback

oneDNN generic GPU implementation

- [5][RFC and implementation](#) available for feedback

SIGs

September AI SIG meeting topics:

- [New backend for Llama.cpp](#) using SYCL, oneMKL presented
- [Generic GPU backend for oneDNN](#)
- Recording available on [Open Profile](#)

All meeting notes, presentations are available in GitHub.

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Upcoming in October

See the public calendar for upcoming meetings

- DevSummit Events
- Open Source Working Group Meeting

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