

CGO Trip Report

Triton Community Meeting

April 2, 2024

ian Bearman



CGO 2024

- CGO 2024 (<https://conf.researchr.org/home/cgo-2024>)
- C4ML (<https://www.c4ml.org/c4ml-2024>)

Triton at C4ML

- **Kunwar Grover, AMD**
Custom PyTorch Kernels with IREE and Turbine
- [\[slides\]](#) **Ian Bearman, Microsoft**
Scaling Triton to Multiple Platforms with Triton-Shared
- [\[slides\]](#) **Javed Absar, Qualcomm**
Experience with Triton Lowering and Optimization for Qualcomm Hexagon

Top Questions

- Pytorch + Triton
- Perf compat
- Bufferization in Triton-Shared

Other Interesting Topics

- Triton for HPC