UTEP-PNNL-DDL meeting

July 12, 2024

Agenda and Notes

1. UTEP FAIR project has not been extended to FY25 which started July 1, but hopefully it will be extended soon.
2. NERSC GPU allocation is down to around 90 hours, but reallocation is July 17.
3. Takeaways from OSG meeting
   1. Future support for using multiple servers – e.g., for ML training
   2. Connect data with Pelican – removes data size restriction
4. Updates to the project github repo
   1. New folders including benchmarks/resnet, deep-learning-compilers, nsighty
   2. Updates to cypapi (Aaron) and scorep (Chrisopher) readmes
5. Updates from students
   1. Briana

Reading Resnet papers, installed cypapi, will try to optimize the Resnet from scratch model, use Nsight to do roofline model

Will tackle OpenCatalyst again when we get more GPU hours

1. Christopher

Gave demo of scorep Python binding and Cube GUI

Working on resolving problems with Horovod installation

1. Aaron

Reading Roofline papers

Working on collecting Roofline metrics using CyPAPI

1. William