UTEP-PNNL-DDL meeting

August 30, 2024

Agenda and Notes

1. Poster submitted to NERSC User Group (NUG) meeting on using cyPAPI on Perlmutter to do roofline modeling
2. Updates from students
   1. Briana – waiting for Steven Farrell to respond about OpenCatalyst, will meet with Aaron about cyPAPI
   2. Aaron – looking at Resnet code examples, will meet with Briana today about cyPAPI, will meet with Irvin about theoretical roofline
   3. Chris – pytorch mnist code with Horovod getting stuck when creating training dataset
   4. William – was able to run data parallelism approach, had problems with Perlmutter authentication
   5. Irvin – worked this summer on data post/pre-processing, used K-means clustering, TCN machine learning model – reconstruct missing signals, long runtime; Josh – need more data, struggling with forecasting; problem was nondestructive testing of nuclear fuel plates
3. Plans for next week
4. Josh will try to visit this fall -tentatively October 25
5. New meeting time is 1-2pm MDT on Fridays