

HPC Benchmark



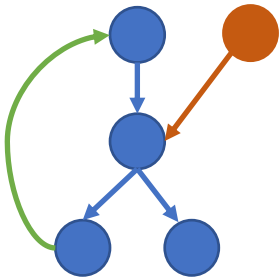
Github



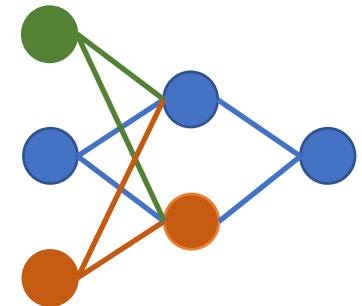
Code Dataset  
(OMP\_Serial)



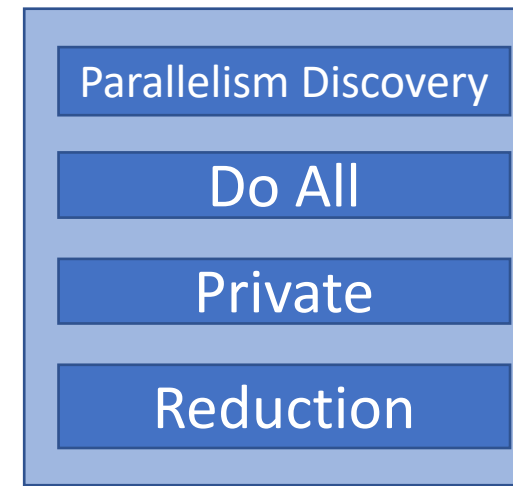
Preprocessing



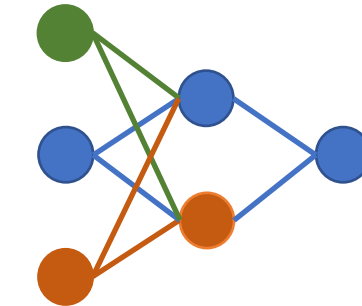
Flow-aware program  
representation  
(PerfoGraph)



Heterogeneous GNN  
(GNN Encoder)



Parallelism discovery &  
pattern prediction



Trained Heterogeneous  
GNN