Johnathan Becker, CSCI 5593

Report # 1, February 4, 2019

Report on "Storage-Free Memory Dependency Prediction"

This paper is focused on a memory prediction system that the authors developed called Memory Decency Prediction (MDP). MDP's role is to determine, for a given load, which older store will write to the loaded address so the load can be marked dependent on the store and wait for it to execute.

Reference

[1] Perais, Arthur, and Andre Seznec. "Storage-Free Memory Dependency Prediction." IEEE Computer Architecture Letters, vol. 16, no. 2, 2017, pp. 149–152., doi:10.1109/lca.2016.2628379.