Journal 8

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Due 3/23/18

1 Learnings from peer reviews

- I was able to apply the feedback and get the paper to resonante with the story I want to tell.
- I was able to get the paper to be more concise and to the point.
- I was able to add some more details that would enhance each technique and also corrected the references.
- I am looking into adding more inferences from the papers I read so that I can discusss them at length when appropriate.

2 Experimental CS:

I explain below how I want to able to incorporate the learnings from the class into my experimental setup.

- I got to learn what metrics to chooose to align with the story.
- I want to be able to make meaningful deductions from those metrics.

Here is my current experimental setup: I am looking into adding more metrics and decide on

Table 1: Experimental Setup and Metrics

Component	**Description**
Simulator	gem5
Architecture	RISC-V core with out-of-order execution
Processor Model	Clock Speed: 2.5GHz, Cache Configuration: yet to decide, Branch Predictors: Local, BiMode, Tournament, L-TAGE, Multi-Perspective Perceptron
Benchmark Suite	SPEC CPU
Benchmarks Used	INT and FLOAT
Metrics	Prediction Accuracy, Misprediction Rate, Performance Improvement (IPC), Execution Time, Hardware Overhead (Area and Power)

the cache configuaration where the experiment won't be biased on the spatial locality feature of the cache.