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Section: AL2

## ECE 408/CS483 Milestone 1 Report

1. Show output of rai running Mini-DNN on the CPU (CPU convolution implemented) for batch size of 1k images. This can either be a screen capture or a text copy of the running output. Please do not show the build output. (The running output should be everything including and after the line "Loading fashion-mnist data...Done").

Running bash -c "time ./m1 1000" \\ Output will appear after run is complete. Test batch size: 1000 Loading fashion-mnist data...Done Loading model...Done Conv-CPU== Op Time: 8314.56 ms Conv-CPU== Op Time: 23914.2 ms Test Accuracy: 0.886 0m41.604s real 0m41.451s user 0m0.120ssys

2. List Op Times (CPU convolution implemented), whole program execution time, and accuracy for batch size of 1k images.

Batch Size	Op Time 1	Op Time 2	Total Execution Time	Accuracy
1000	8314.56 ms	23914.2 ms	41.6 s	0.886

3. Show percentage of total execution time of your program spent in your forward pass function with 'gprof'. This can either be a screen capture or a text copy of gprof output. You should only include the line that includes your CPU forward pass function 'conv\_forward\_cpu', so please do not give more than this line.

%Execution time = 84.4