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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*").

```
Test batch size: 1000
Loading fashion-mnist data...Done
Loading model...Done
Conv-CPU==
Op Time: 5402.39 ms
Conv-CPU==
Op Time: 15513.2 ms

Test Accuracy: 0.886

real    0m30.326s
user    0m30.181s
sys      0m0.144s
```

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	5.402 sec	15.5 sec	30.32 sec	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.

```
time seconds seconds calls s/call s/call name
78.05 21.73 21.73 2 10.87 10.87 conv_forward_cpu(float*, float const*, float const*, int, int, int, int, int, int)
```