Name: *Guanshujie Fu*
NetID: *gf9*
Section: *ZJ1/ZJ2*

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*").

<output here>
Test batch size: 1000
Loading fashion-mnist data...Done
Loading model...Done
Conv-CPU==
Op Time: 8564.93 ms
Conv-CPU==
Op Time: 24772.9 ms

Test Accuracy: 0.886

real 1m24.323s
user 1m24.214s
sys 0m0.108s

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	*8564.93ms*	*24772.9ms*	*1m24.323s*	*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.

<gprof output here>

time	*seconds*	*seconds*	*calls*	*s/calls*	*s/calls*	*name*
83.16	*33.33*	*33.33*	*2*	*16.67*	*16.67*	*conv_forwad_cpu(float*, float const*, float const*, int, int, int, int, int, int)*