Deep Learning - Homework 1

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1   CNN Test and Train Information

The hardware I ran the following tests on was an Nvidia Quadro K2200 (the HC0004 machines).

1.1   Unmodified Run

- Train Time: 264 seconds
- Test Accuracy: 0.9918

1.2   Modified Run v1

- Train Time: 196 seconds
- Test Accuracy: 0.9917
- Conv1 filters: $32 \rightarrow 16$
- Conv2 size: $5 \times 5 \rightarrow 3 \times 3$

1.3   Modified Run v2

- Train Time: 157 seconds
- Test Accuracy: 0.9897
- Conv1 filters: $32 \rightarrow 16$
- Conv2 size: $5 \times 5 \rightarrow 3 \times 3$
- FC1 size: $1024 \rightarrow 256$