

Project Proposal for the **System Programming** Course

Project Name: Hand-written digits classifier
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What:

a classifier that will be able to use the CPUs efficiently in terms of training the model and then classifying the test images.

Why:

since classifiers take too much time to classify and train themselves its always better to have them as efficient as possible, no ones going to wait minutes for a classifier to classify an image.

How:

I will use the famous Hand-written digits dataset, for the CNN part I will use an architecture that I currently posses and I believe it is the best fit for such dataset; so basically, with the help of multi-threading I will try to make the model train faster (without any leaks) and also relatively faster classification at the end.