

Neural Networks- Journal D

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This week, I finished reading “Deep Learning” and I also completed the “Image Processing with Python” courses on DataCamp. After completing this, I thought creating my own CNN would be not very difficult, but as it turns out I’m having a lot of trouble trying to get my data and labels into an array. So far, any example I’ve seen of other people loading their image data for a neural network either involves them loading data straight from a pre-processed module or they have data which is so different I wouldn’t be able to apply the same methods to my project.

I hope on getting my project in on time, but unless I can rectify this issue, I won’t be able to. I assume that once I can get the data pre-processed, creating, fitting and evaluating the CNN model should be pretty easy, even if the accuracy is very low initially. As I have an AMD GPU, I won’t be able to use the tensorflow-gpu module, thus I hope my CPU is able to run the models in a pretty quick time. In total there are over seven thousand images so I doubt my laptop CPU will be able to handle it quickly.