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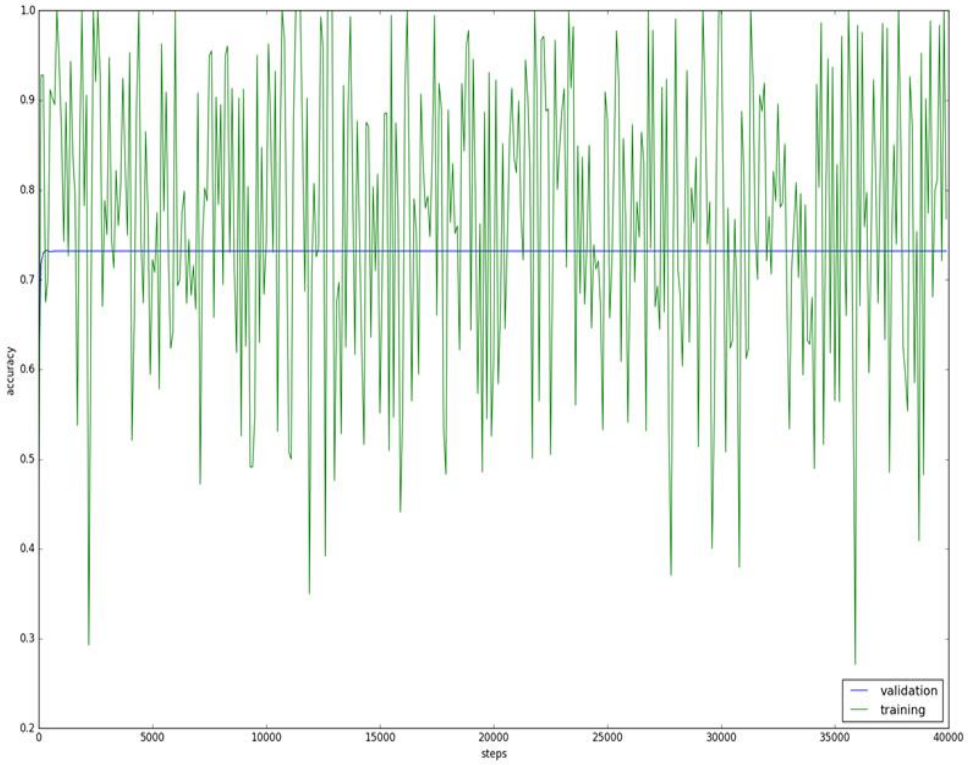
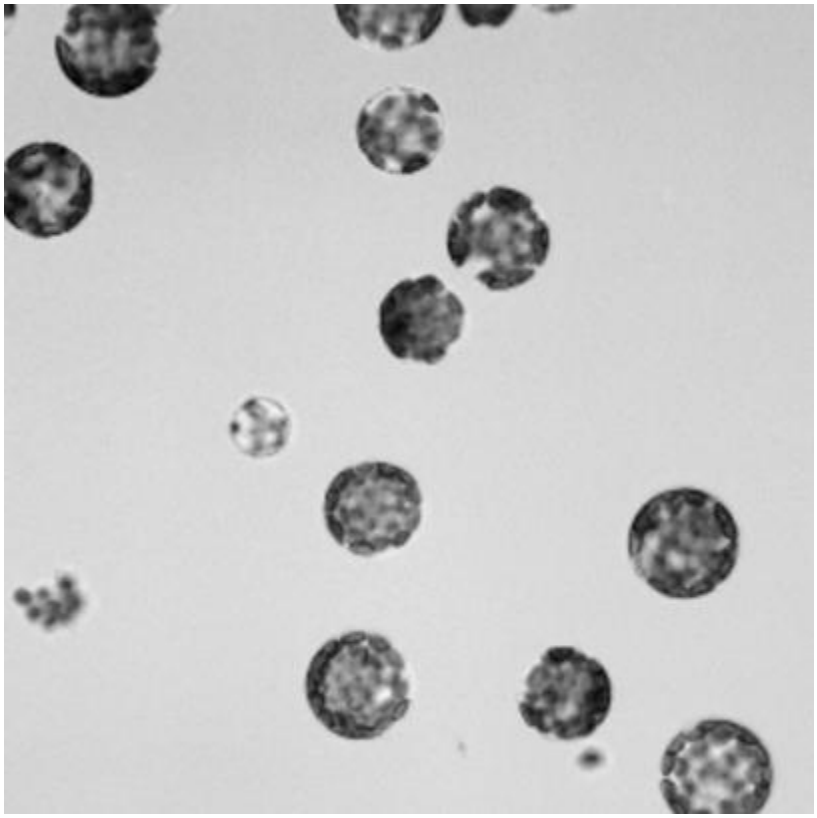
Deep Learning Lab

Exercise-3 Report

This was an interesting exercise where the goal was to implement a U-Net architecture for image segmentation. There were four down sampling layers where each of them consisted of two convolutional layers and one max pooling layer. Then there were two convolutional layers and then four up sampling layers. Following is the graph between steps and accuracy obtained by training accuracy and validation accuracy.



It is very obvious from the image that graph obtained by training accuracy has a lot of fluctuations in them. Validation accuracy however becomes stable after a while.

Following are the original image and segmented image respectively.