# LAB 5 write Up

# Explanation for Lab 5 Segmentation Code threshold changes:

3.4

You need to make changes to the threshold for each image so that you can better segment the specific image. Each image has a different set of RGB values, and while they may look the same, then can sometimes be wildly different. This is shown in the different tiger images. Each tiger image is very similar, but when doing image segmentation, the change in color can affect its accuracy quite heavily. You can optimize the segmentation per image by adjusting the color thresholds, and, if able, you could design the thresholds to be as accurate as possible for a single image. Generalizing it for multiple images, however, is rather difficult, since as before mentioned while the images may look the same, they might not have the same color values.

For 3.4, I had trouble finding good threshold values for each image, mostly because the threshold values were not lining up with RGB values, BGR values, or even HSV values, so I had to guess and check a lot of the time to get as close as possible. This heavily demonstrates the effect of small changes of thresholding and the accuracy of segmentation.