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CSC 412
Assignment 2
Prof. Hervé
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Report

I found certain part of this assignment to be fairly simple and some part of this assignments to be extremely difficult.

I was not able to complete **part of the Rotate program** and I wasn't able to **implement the Split program.**

Dimension

This program I thought was the easiest one out of the 4 programs required in the assignment. It was very easy to complete after reading the imageIO_TGA.c , the rasterImage.c as well as the main.c file that was given to us as an example

Crop

This program took me a few hours to complete. Most of my time was spent in attempting to figure out a algorithm to begin reading the original image at the x and y coordinates. After about 2 hours of trying with different Algorithm , I was finally able to come up with a successful solution. After that the rest took me about 30 min to complete it. I've attempted to make sure that all invalid arguments will result in a error message.

Rotate

After Crop, approaching this problem was easy. First thing I realized was that rotating an image 18- degree is the same as mirror the image from the top. Therefore I used the code provided for us by the professor in the main.c program for that part. I was able to come up with an algorithm that copied all the pixels correctly when rotating to the left but when attempting to rotate to the right, I faced a segment fault error. I attempted debug the issues but I was not successful in it. I believe that one of my variable is going over the allotted pixels within an array