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Week 0 Lab Report

For the open ended project, I wrote a program that detects circular shapes through the webcam using a Hough Circle transform. The process was fairly straightforward, as I modified the code from the getting started guide to use the function for taking photos rather than videos, and then using OpenCV’s HoughCircles function with the appropriate parameters to detect basic circles in an image. The detection sensitivity seemed to be a bit excessive, since when it was presented with a picture of a person, the program seemed out spaz out and outline every remotely circular object. However, when presented with fairly simple drawings of circles close up and nothing else, the program worked just as intended.

The results of the program are presented below:

