Module 3 – OpenCV

1. Open BASH terminal
2. Test camera functionality by running the command “raspistill -o output.jpg
   1. Should capture an image and save to present working directory
3. Sanity test OpenCV utilizing programs from the following:
   1. <http://www.pyimagesearch.com/2015/03/30/accessing-the-raspberry-pi-camera-with-opencv-and-python/>
      1. test\_video.py replace “use\_video\_port=True” with “use\_video\_port=False” to get image (albeit slow capture)…still investigating reason; however, moving forward with workaround attained
4. Sanity test SimpleCV running programs from the following:
   1. <http://www.open-electronics.org/computer-vision-with-raspberry-pi-and-the-camera-pi-module/>

Extra Resources:

1. SimpleCV
   1. <http://homepage.cem.itesm.mx/carbajal/EmbeddedSystems/SLIDES/Computer%20Vision/Computer%20Vision%20using%20SimpleCV%20and%20the%20Raspberry%20Pi.pdf>
   2. <http://simplecv.readthedocs.io/en/latest/>
2. OpenCV
   1. <http://docs.opencv.org/3.0-rc1/>