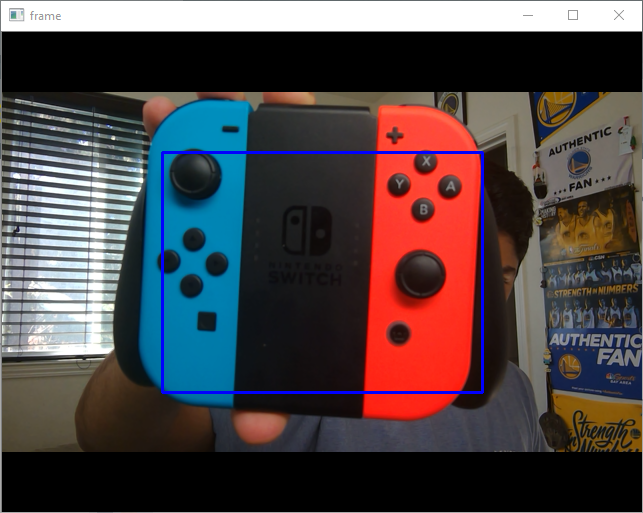
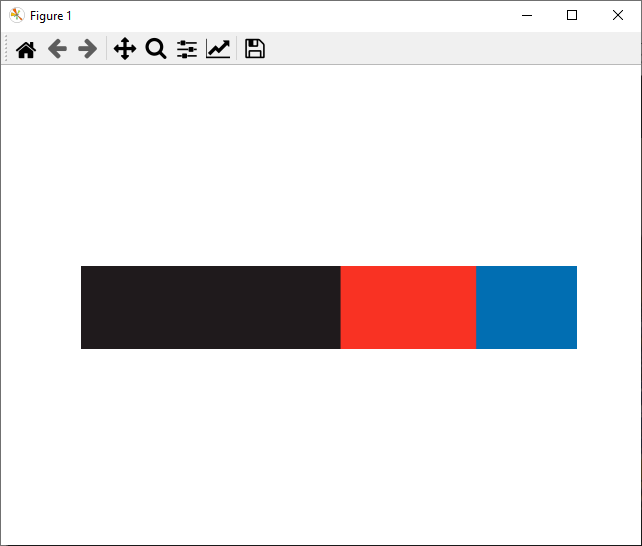
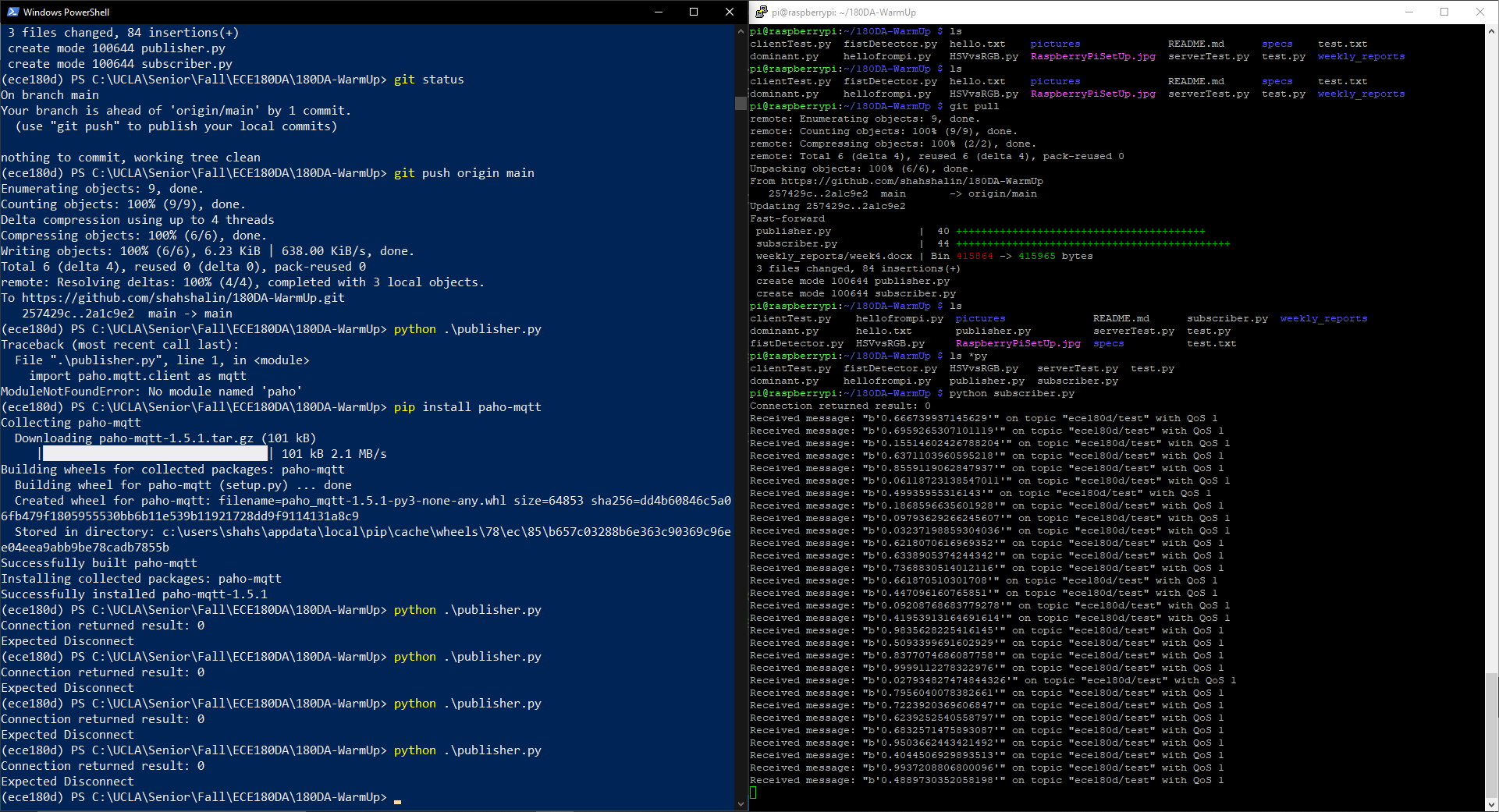
Shalin Shah

Professor Shoarinejad

5 November 2020

Week 3 Lab Report

1. What did you plan to do last week?
   1. Continue along with project and try to answer some of the questions posed in the previous section
   2. Continue to figure out good way of doing workflow
   3. Review and clean up tutorial responses
   4. Final Draft for the Proposal
2. What did you end up doing last week?
   1. Worked on cleaning up the code base for the project. Made major skeleton code changes to make the code more object oriented
      1. Added formatted comments to code with @NOTE and @TODO and updating it correspondingly
      2. Created basic game look and have a very rough game done
   2. Worked on presentation slides
   3. Finished Task 4.4 for tutorial 0 that I hadn’t realized wasn’t done (took like 30 minutes tops)
      1. Here are the screenshots requested in the spec:
      2. 
      3. 
      4. As can be seen, the histogram is red, blue and black, which are the dominant colors for the bounding box (where the Switch Controller resides) but the colors around the box have different dominants colors
   4. Pushed Tutorial 1 image where I show that I connected to Pi over SSH and that Git and Python have properly been installed. To follow up on the questions in the Report section, I didn’t face any big problems as I have a static IP address that I use for the Pi.
   5. For Tutorial 2, I went through and did the TCP/IP connection tutorial (Part 2) and ran into some issues. I talked to a TA and was able to get past that part (with improperly selecting an IP address) and pushed the code onto Github. I ran the code and saw the following (where PowerShell is the publisher and the PuTTY session is the subscriber):  
      
3. This next week:
   1. Before the presentation, get the final project proposal and midterm presentation slides done
   2. Prepare for the midterm presentation
   3. Do Tutorial 3 (IMU tutorial)
   4. Continue with project and get contour + object detection done