

Journal Report 6

10/06/19-10/13/19

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Period 2, White

Daily Log

Monday October 7

Reviewed the work that Khushi has been doing to sync our progress.

Tuesday October 8

Worked on enabling camera function with the Raspberry Pi. Established a connection and debugged an error of not having the correct password for the pi user. Edited the config.txt file to successfully change password. Began establishing Ethernet connection.

Thursday October 10

Established Ethernet connection through adding the IP address of the pi to list of known hosts. Proceeded to setup the Raspberry Pi camera, so if I run a command on the terminal requiring the camera, I will successfully get an image. Began working to install OpenCV on the Pi, removing some useless disk images to clear space for the larger installation package.

Timeline

Date	Goal	Met
Today minus 2 weeks	Complete setup of Raspberry Pi	No, but I am close to meeting goal
Today minus 1 week	Set up Raspi + begin to obtain a sequence of images taken from consistent angles to run my code through during testing phases	Yes, I completed setting up the Raspberry Pi and am working on the image sequence.
Today	Research and set up camera	Yes, I completed setup of the camera
Today plus 1 week	Install OpenCV and write basic program using camera	
Today plus 2 weeks	Get the HSV masking code from before to work on the Raspberry Pi	

Reflection

I worked on debugging the issue of logon password mismatch, which for some reason didn't recognize the default password of raspberry for the pi user on terminal. Thus, I wasn't able to use the sudo command. Upon changing the config.txt file to boot to a root terminal where the previous password hadn't yet been loaded, I was able to change the password. I also deleted some libre-office and wolfram packages to free up space on my relatively small sized memory card.