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Week 0 Report

For this lab report, I first started by creating a github repository on my account. After that, I installed gitBash to interface locally with my repo and to run bash commands.  
 Afterwards, I downloaded Conda and verified that it was installed correctly. Then, I went on to the next part to set up my virtual environment. I did not run into any issues during either of these steps. However, I did have an issue with installing opencv through conda. I resolved this issue by using pip to install opencv instead.

Using vim, I created my test.py script and copied the test code from the image. The script worked and printed my love for ECE180DA. I pushed all the results onto my github repo.

For the open-ended project, I first downloaded the repo in order to get the sample code and all of its dependencies. I verified that the video.py script was working before adding any modifications to it. The script just showed the webcam’s view. I added in some code to display only red objects that fall between (110, 50, 50) and (130, 255, 255) on the HSV spectrum. An explanation for how the algorithm works is provided in a header comment in the script.