

Progress Update (3/23/16)

Juan Vazquez

The segmentation fault that was previously being encountered was researched further into. The error seems to be the result of an incorrect array declaration and I'm currently debugging the program code to find where the error is occurring at. I've also begun implementing the functional programs onto the EMMC.

David Bumpus

I have written a function for blob detection to be used to register the range image and webcam image. Additionally, I have enabled the keypoint detection to return the angle and distance to the nearest keypoint as an approximation of the nearest object location.

Daniel Kubik

In order to create a set of test data that is simpler than that of which was obtained in lab, David and I recorded camera and lidar data inside the lobby of the Renaissance Coliseum on campus. I have been using this data to create range images and practice registration techniques similar to those that were tried with the data obtained from in the lab, working to find a method that can successfully register the camera images with the lidar data.