



## **Progress Update (11/11/15)**

### **Juan Vazquez**

I have begun interfacing the laser scanner (Velodyne Puck) with the embedded device (Odroid-XU4). I've implemented and altered program functionality to receive incoming raw Ethernet data from the laser scanner using User Datagram Protocol (UDP). Further development will involve storing this data and researching other methods.

### **David Bumpus**

Through research and MATLAB simulations, I have successfully determined the registration method which will be implemented on the embedded device. I have tested the feature detection capabilities of the SIFT method. I will add some algorithms to this method to register lidar and image data. I am slightly behind schedule. In order to be back on schedule, I will test feature mapping and registration of the data in MATLAB between the two data sets.

### **Daniel Kubik**

This week I began to create my classes in C++. I have successfully created and tested half of the classes and plan to create the other half next. While I am running slightly behind schedule, I will put in more time after lab to complete these. I am not too worried however as progress is going well.