Project 3: ROS Library for Roomba

For the third project, you will need to create one ROS publisher and one ROS subscriber: publisher for the Range Sensor State, and a subscriber for Left and Right Wheel Control. You can find python code for iRobot serial communication library at

https://pypi.python.org/pypi/pycreate2/0.7.3

For graduate students, you need to provide multiple publishers where you need to create all sensor (including voltage, current, temperature, power, etc).

After you complete the project, you will need to upload your ROS code in Github and upload the link in the canvas assignment submission. You will need to provide instruction, or demo you created in order to receive the full credits. If you have any problems, you can see me and we can go over it again in my office hours.

The due date of the project is Nov. 8, 2017.