coursera

Programming Assignment: Final Project: Self-Driving Vehicle Control

✔ Passed · 1/1 points

Deadline   Pass this assignment by Dec 1, 11:59 PM PST

Instructions

 My submission

 Discussions

In this project, you will write and implement a controller for the CARLA simulator. Your goal is to control the vehicle to follow a race track by navigating through preset waypoints. The vehicle needs to reach these waypoints at certain desired speeds, so both longitudinal and lateral control will be required.

To do this assignment, the CARLA simulator along with the assignment code needs to be installed. Please follow these instructions:

1) Follow the CARLA Installation guide from a previous reading to install the CARLA simulator

2) Download the following "Course1FinalProject.zip" file and unpack into the subfolder folder "PythonClient" inside the "CarlaSimulator" (root) folder. This will create a subfolder "Course1FinalProject" under "PythonClient" which contains the assignment files.

> Course1FinalProject.zip

It is very important to have the contents of "Course1FinalProject.zip" be under the folder "PythonClient\Course1FinalProject" (for Windows) or "PythonClient/Course1FinalProject" (for Ubuntu). Installing it into another directory might cause runtime issues.

After successfully downloading CARLA and the assessment script, you can now begin the assignment.

3) Edit the "controller2d.py" class file (found inside the "Course1FinalProject" folder,