coursera

Final Project: Self-Driving Vehicle Control

✓ **Video:** Lesson 1: Carla Overview - Self-Driving Car Simulation
5 min

✓ **Reading:** Lesson 1 Supplementary Reading: Carla Overview - Self-Driving Car Simulation
45 min

✓ **Reading:** CARLA Installation Guide
45 min

✓ **Video:** Lesson 2: Final Project Overview
4 min

✓ **Programming Assignment:** Final Project: Self-Driving Vehicle Control
3h

✓ **Video:** Final Project Solution
3 min

Congratulations!

Programming Assignment: Final Project: Self-Driving Vehicle Control

✔ Passed · 1/1 points

Deadline   Pass this assignment by August 25, 11:59 PM PDT

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