UDACITY

Return to "Self-Driving Car Engineer" in the classroom

DISCUSS ON STUDENT HUB

PID Controller

REVIEW

CODE REVIEW 2

HISTORY

Meets Specifications

Great work! I enjoyed a lot your implementation, as it is original and it does contains great ideas! Good to go for the MPC project! You are going to like it a lot!

Compilation

Code must compile without errors with `cmake` and `make`.

Given that we've made CMakeLists.txt as general as possible, it's recommend that you do not change it unless you can guarantee that your changes will still compile on any platform.

Implementation

It's encouraged to be creative, particularly around hyperparameter tuning/optimization. However, the base algorithm should follow what's presented in the lessons.

Reflection

Student describes the effect of the P, I, D component of the PID algorithm in their implementation. Is it what you expected?

Visual aids are encouraged, i.e. record of a small video of the car in the simulator and describe what each component is set to.

Super! It is very detailed, and the video provided is great! Outstanding!

Student discusses how they chose the final hyperparameters (P, I, D coefficients). This could be have been done through manual tuning, twiddle, SGD, or something else, or a combination!

Simulation

No tire may leave the drivable portion of the track surface. The car may not pop up onto ledges or roll over any surfaces that would otherwise be considered unsafe (if humans were in the vehicle).

DOWNLOAD PROJECT

2 CODE REVIEW COMMENTS ❯

RETURN TO PATH

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