Project: Lidar Obstacle Detection

Submission Results

Submission Date: July 14, 2019

✓ Submission Passed

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Feedback Details

Specification Review Code Review

Reviewer Note

Dear Student, 👏👏 Brave for completing this project.Your code really looked good and I enjoyed reviewing your project.
Please, continue with this excellent work. I look forward to your future submissions and good luck with the rest of the program.

Compiling and Testing

✓ The submission must compile.

Reviewer Note

The code runs well without any issues.👍

The project code must compile without errors using and .

Obstacle Detection

✓ Bounding boxes enclose appropriate objects.

✓ Clustering is implemented in the project.

✓ Objects are consistently detected across frames in the video.

✓ Segmentation is implemented in the project.

Reviewer Note

I was so impressed by your implementation👏. You perfectly integrated the ransac 3D a gorithm developed in the course into the project.

The code used for segmentation uses the 3D RANSAC algorithm developed in the course lesson.

Code Efficiency

✓ The methods in the code should avoid unnecessary calculations.

Reviewer Note

Your code is easily readable, I didn't see the same calculations twice nor any data memory wastage. Clean code😃!

Your code does not need to sacrifice comprehension, stability, or robustness for speed. However, you should maintain good and efficient coding practices when writing your functions.

Here are some things to avoid. This is not a complete list, but there are a few examples of inefficiencies.

- Running the exact same calculation repeated y when you can run it once, store the value and then reuse the value later.
- Loops that run too many times.
- Creating unnecessarily complex data structures when simpler structures work equ valently.
- Unnecessary control flow checks.