Project defense

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1 Introduction

An overall look at our project.
Project : An autonomous vehicle.
Objective : Make an autonomous car which can race on a given track without human input for direction or speed.

2 Common and individual tasks

Common	Alexandre	Maxime.G	Maxime.E	Mickael
T-shirt Modularity Organisation	Datagenerator	Datagenerator	Model training Neural network	Website Telemetry server

3 Description of the realization of the tasks

- Modularity of the project

- Data handling: Datagenerator.

- Training a model using neural network.

- Data uugmentation.

- Telemetry Server.

- Presentation Website: Showcase our project.

4 Conclusion

- Recap of what we have said.

- Done : We made a telemetry server to have real time data of the car as the video and notifications. We also have a working model.

- To do : Improve the AI part. We would like to have a dynamic management of the speed. For the telemetry server we would like to add some charts corresponding to the throttle and the steering.
  And off course we have to win some races.