

# EPITECH - Autonomous Car

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- Introduction to deep learning concepts and architectures
- Introduction to different existing framework and approaches to race autonomous cars.
- Introduction to Tensorflow (you could also use Pytorch if you want)
- Get driving quickly using the donkeycar framework in a simulator
- Create your custom driving framework using the simulator
- Transfer this knowledge to real life on the real car

# Learning Outcomes

- Understand the fundamentals of neural networks and deep learning
- Pre-process data: normalization, resizing and reshaping
- Implement common deep learning architectures: NN and CNN
- Train deep learning models using Tensorflow (or Pytorch)
- Apply this knowledge to real-world problem, in our case autonomous driving
- Test the models and be able to interpret what is going wrong

