

Car Structure
Sensors
Motor System
Steering System
...

Second.SoftWare

Technical Leap

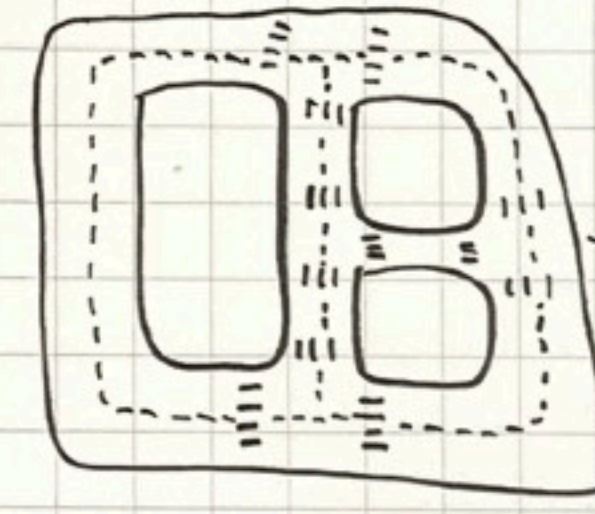
AI CAR3

YEAR

MONTH

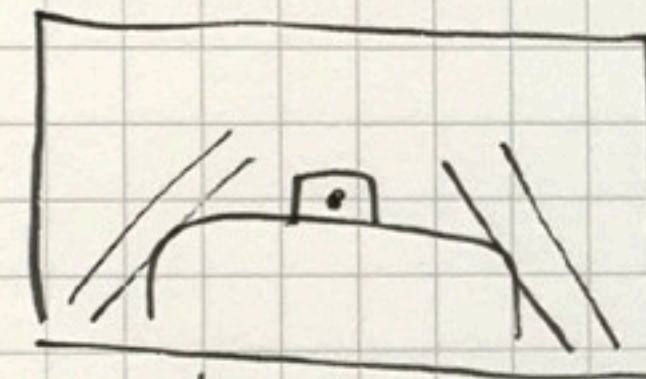
DAY

• Simulation Carla

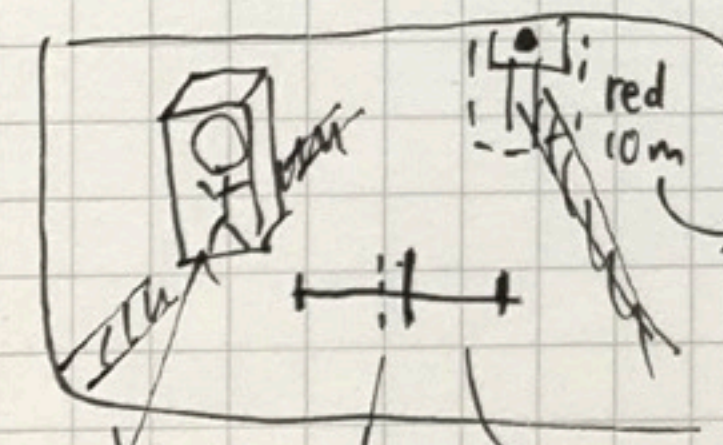


Technologies

- Socket: Live Streaming / Steering System
- OpenCV: Lane Detection / 3d bounding box Object Detection / Depth SLAM (Making 3d map using only IMG)
- TensorFlow (Keras: CNN (IMG Prediction))
 - ↳ steer control



realtime live stream
to client

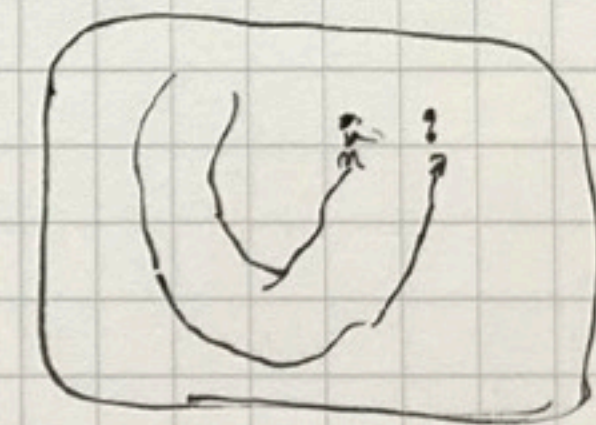


object
Detection

Steer

&

send
steer
information



SLAM
(map localization)

Train Method

↓
GAN

Reinforcement Learning

- give a nothing about how to drive
how to go and wh-

↓
learn by itself

- collide and crash
from scratch learning