

Second.SoftWare

Technical Leap

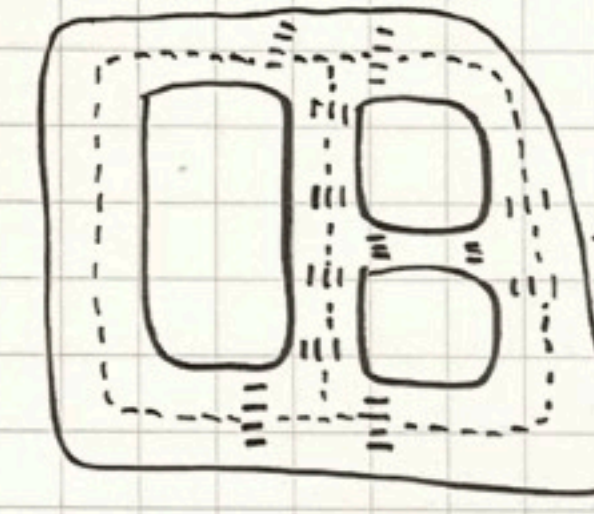
AI CAR3

YEAR

MONTH

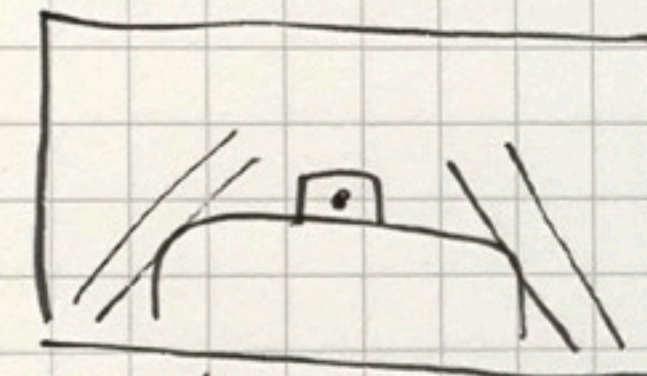
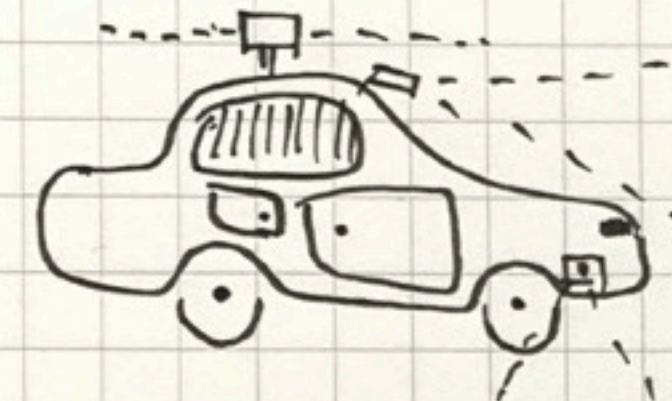
DAY

• Simulation Carla

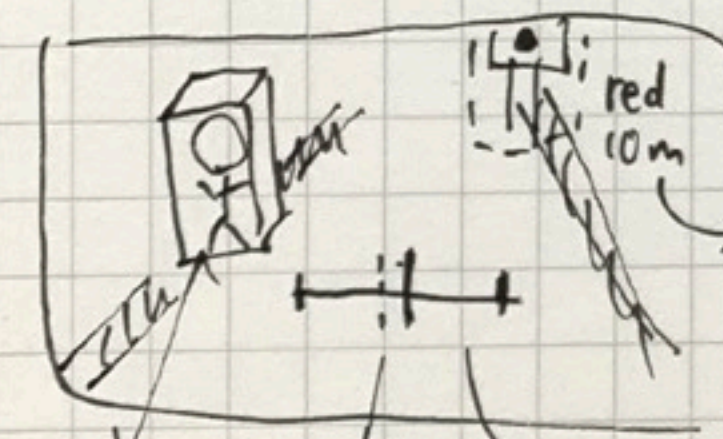


Technologies

- 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

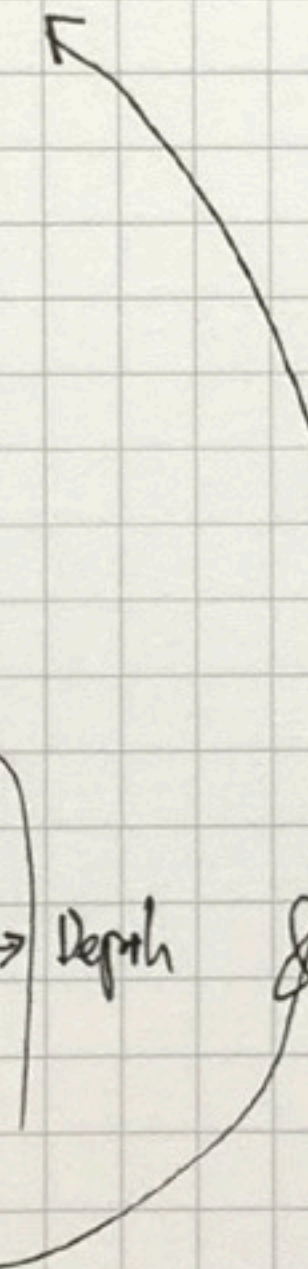


realtime live stream
to client



object
Detection

Steer



send
steer
information

Train Method

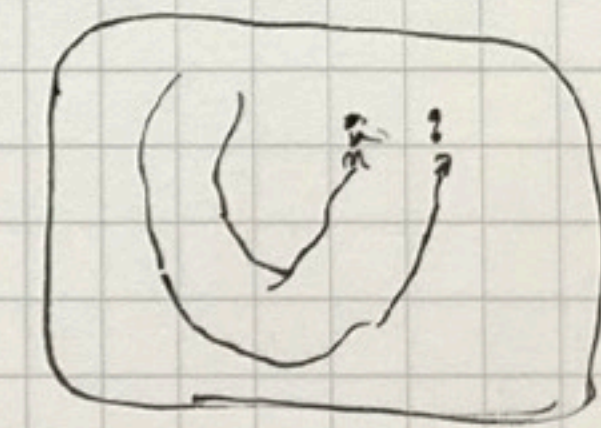
GAN

Reinforcement Learning

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

learn by itself

- collide and crash
from scratch learning



SLAM
(map localization)



```
test_image.jpg')  
(image)  
lane_image, cv2.COLOR_RGB2GRAY)  
blur(gray, (5, 5), 0)  
ur, 50, 150)  
blur)
```



```
python3  
10/08 16:12
```

