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# Einstein Vision

Computer Vision - RBE 549

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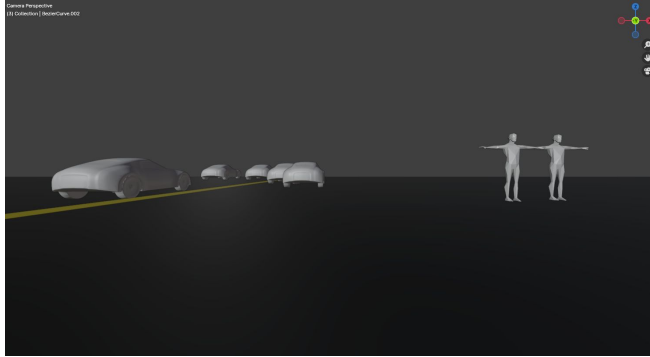
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Team Members:

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# Object Detection- Yolo

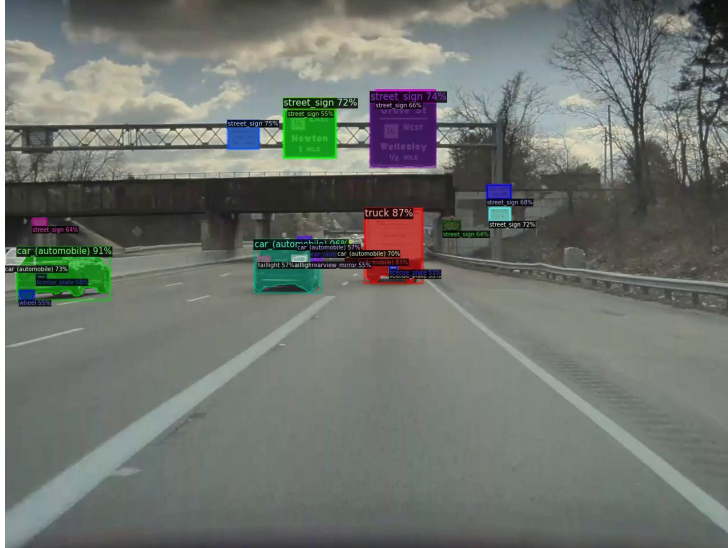


OBJECT ORIENTATION:  
Model : Yolo v9  
Dataset : MSCOCO



Objects Detected :  
Cars, Pedestrians, Stop Signs, Traffic Lights

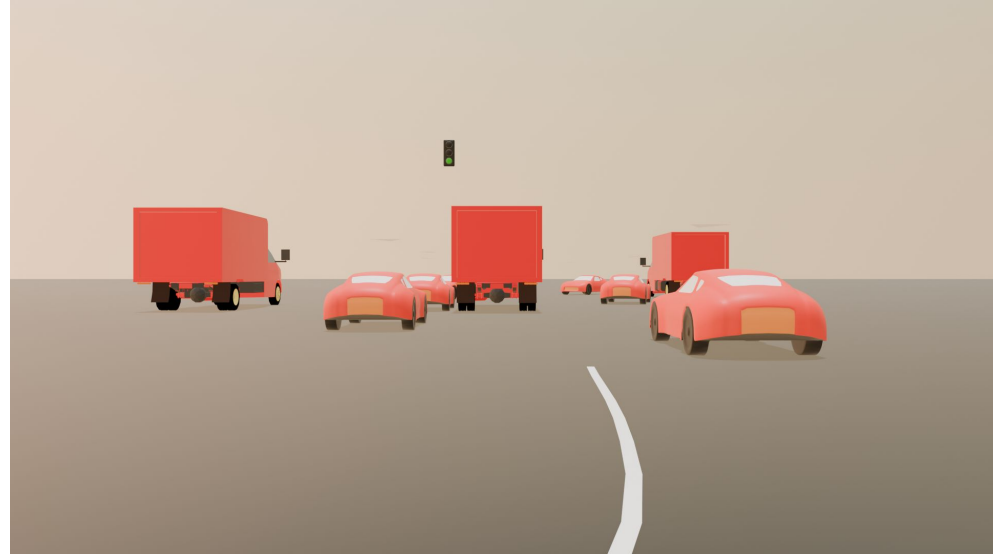
# Object Detection - DETIC



OBJECT ORIENTATION:

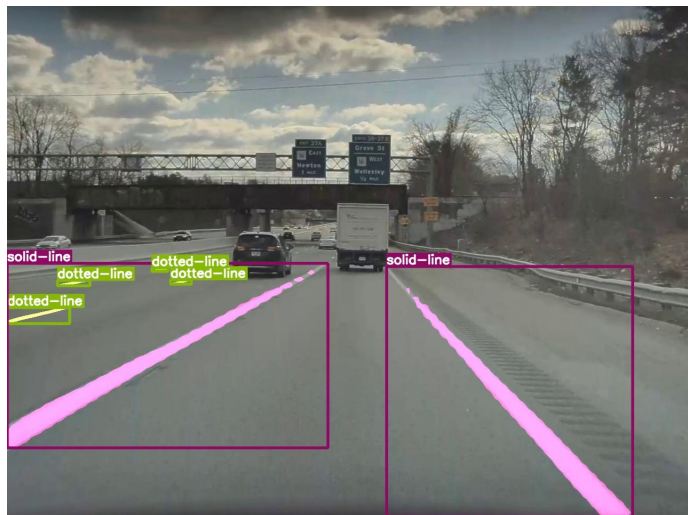
Model : DETIC

Dataset : COCO, OpenImages,  
Objects36

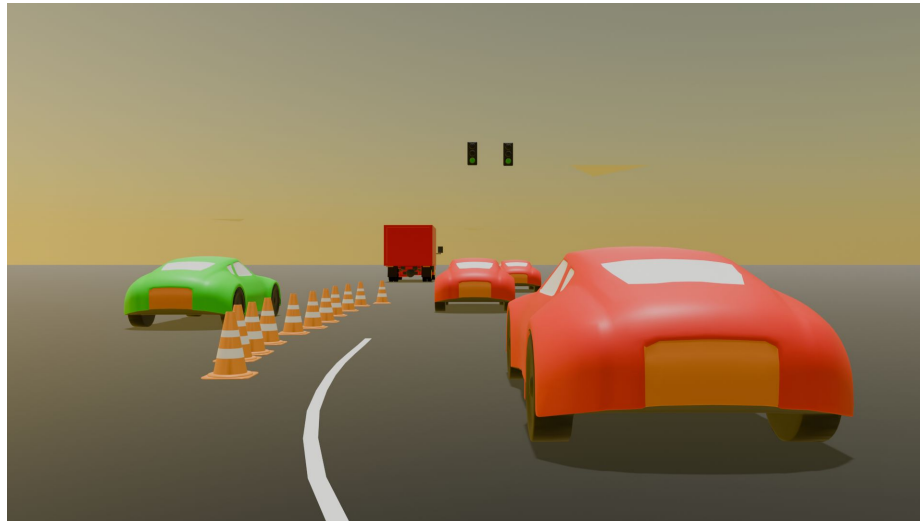


Detected Objects:  
Cones, SUVs, Speed Limits, Trash  
Bins, Motorcycles, etc.

# Lanes



OBJECT ORIENTATION:  
Model : Mask RCNN  
Dataset :

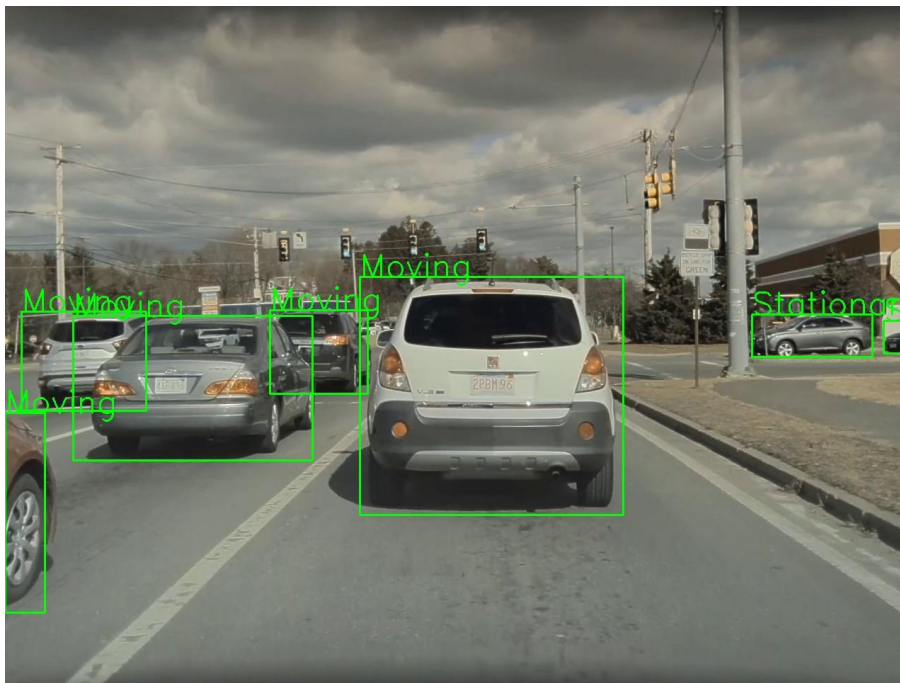


Lanes:  
Solid Lanes, Dotted Lines, Divider  
Lines, Road Signs(Arrows)

# Optical Flow

Model : RAFT

Estimates Flow  
Image



Detection

MOVING VEHICLES  
STATIONARY VEHICLES

# Human Pose



Model : I2N Human Mesh  
Estimates Human Mesh Pose

THANK YOU