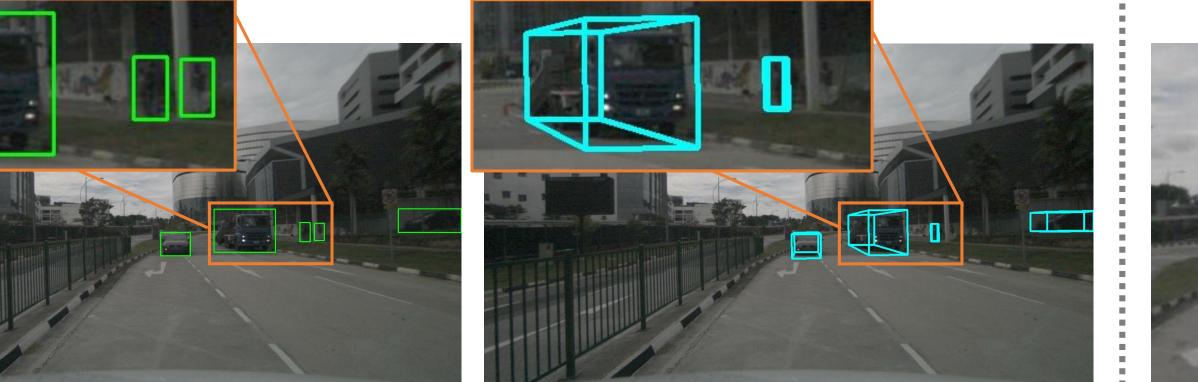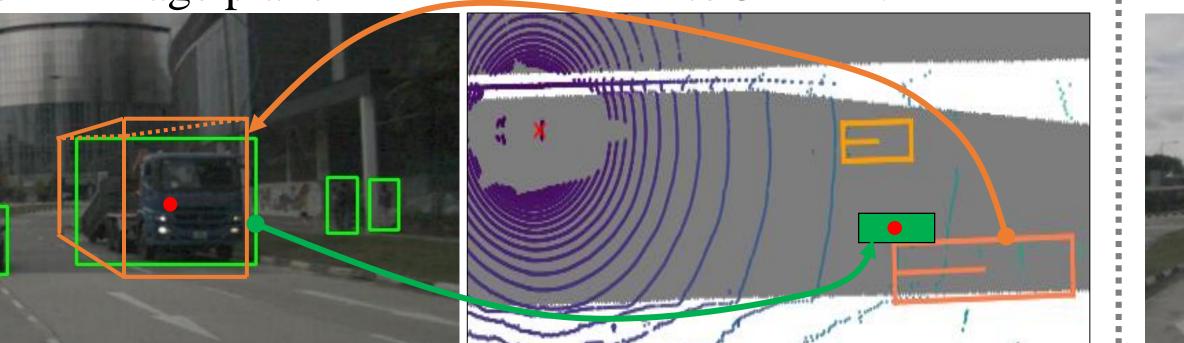**A. How do we incorporate RGB information?**

2D RGB detector

3D RGB detector

B. How do we match RGB and LiDAR detections?

project 3D LiDAR detections to 2D image plane

inflate 2D RGB detections to 3D BEV

C. How do we fuse RGB and LiDAR detections?

2D RGB-detections

3D LiDAR-detections

truck 0.83

bus 0.47