Master-Praktikum – Learning for self-driving cars and intelligent systems – Winter 2019/20 Weekly Report : Sensor Modality Fusion

Chenguang Huang, Nikhitha Radhakrishna Naik
Supervisor: Patrick Wenzel

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Accomplished tasks:

- Find 3D object detection papers using point cloud only:
    - VoxelNet: End-to-End Learning for Point Cloud Based 3D Object Detection(with code)
    - PointRCNN: 3D Object Proposal Generation and Detection from Point Cloud(with code)
- Try to run some existing networks for VoxelNet and PointRCNN
- Find 3D object detection papers using monocular image only:
    - Monocular 3D Object Detection for Autonomous Driving

Tasks planned for next week:

- Continue running some existing 3D Object Detection networks
- Start to implement a state-of-the-art fusion network

Issues / Roadblocks:

- The computing resources in the lab are mostly occupied by some users; so we did not get enough storage to run the network implementations.