Weekly Progress Report

August 2-6th, 2021

Presented by Yannis (Yiming) He 84189287

Noah's Ark | Autonomous Driving Lab
LiDAR Domain Adaptation

Manager: Bingbing Liu 00435285
Supervisor: Eduardo Corral Soto 00407762

- August 2 (Monday):
  - Long weekend
- August 3 (Tuesday):
  - Finished reading through the TSIT pipeline line by line
  - ~~Developing a dataloader for Semantic KITTI inside TSIT~~ (Reuse the loading part in HYLDA
  - Meeting with Eduardo:
    i. Update last week's result
    ii. Next step:
        1. Bring TSIT into HYLDA
- August 4 (Wednesday):
  - Modify the HYLDA (copy) code to load data into TSIT instead of CycleGAN
    - 3 channel (x, y, z) first
    - 5 channel (x, y, z, range, remission)
      - Need to modify the "number of channel" input in TSIT

- August 5 (Thursday):
  - Encountering a bug when transit the dataloader from HYLDA pipeline to TSIT
    - Spent a day to debug
      - Look into
        - Input dimensionality ✔
        - Config setting ✔
        - dataloader structures (TODO)
- August 6-8 (Friday & Weekend):
  - Debug until 12pm today, If still cannot find a bug:
    - Dataloader read nuScenes & Semantic KITTI, HYLDA output projected image and save in folder
    - Then a new dataloader in TSIT pipeline will read the saved images from folders
  - Complete 3 channels image translation via TSIT
  - Complete 5 channels image translation via TSIT

End of August 6th, Weekly Report

Weekly Progress Report

August 9-13th, 2021

Presented by Yannis (Yiming) He 84189287

Noah's Ark | Autonomous Driving Lab
LiDAR Domain Adaptation

Manager: Bingbing Liu 00435285
Supervisor: Eduardo Corral Soto 00407762

HUAWEI

- August 7-8 (Weekend):
    - Merged TSIT into HYLDA
        - Need to meet Eduardo
- → August 9 (Monday):
    - Debug the parameter transfer between two pipeline
    - Encounter permission issue (asked Arash, waiting for response)
    - Meeting Eduardo after Standup
    - Train the 3 channel TSIT for Semantic Kitti to nuScenes
    - Read paper during training

End of August 13th, Weekly Report