Weekly Progress Report

August 2-6th, 2021

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Noah's Ark | Autonomous Driving Lab
LiDAR Domain Adaptation

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- 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