World on Rail2.0

Getting Started

- To run CARLA and train the models, make sure you are using a machine with **at least** a mid-end GPU.
- Please follow INSTALL.md to setup the environment.

Evaluation

If you evaluating the pretrained weights, make sure you are launching CARLA with `-vulkan`!

Run

```
python evaluate_nocrash.py --town=Town01 --weather=train --resume
```

- Use defaults for *RAILS*.
- --OrigiCon=1 is use NSGA-II to search and default is 0 for original vehicle characteristics setting(OrigiCon=2 -> RS; OrigiCon=3 -> safeFuzzer).

Pretrained weights

- The model we used (NoCrash)

Acknowledgements

The `leaderboard` codes are built from the original leaderboard repo. The `scenariorunner` codes are from the original scenario_runner repo. The `waypointer.py` GPS coordinate conversion codes are build from Marin Toromanoff's leadeboard submission.