



Hyunwoo Park

Autonomous driving software engineer

Planned life's path to planning a vehicle's path



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Seoul, Republic of Korea



18 June, 1996



drive.google.com/file/d/1vwAmDYj4KdSkJpAVSyGsKA-5_QVNDKlo/view?usp=sharing



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github.com/Hyunwoo-Park-Yonsei

PROGRAMMING LANGUAGES/ TOOLS

C++



Python



LANGUAGES

Korean



English



EDUCATION

Bachelor's degree in mechanical engineering

Yonsei University

03/2016 - 02/2022

Seoul, Korea

Autonomous Driving Engineer Course Programmers Co.

03/2021 - 09/2021

Seoul, Korea

WORK EXPERIENCE

Internship

Multi-Disciplinary, Multi-Physics, Multi-Scale Design and Optimization Lab

08/2020 - 08/2021

Seoul, Korea

Yonsei university

Contact : Prof. Jongsoo Lee - jleej@yonsei.ac.kr

Motion Planning Engineer ThorDrive

01/2022 - Present

Seoul, Korea

Achievements/Tasks

- Open space planner development
- Occlusion risk assessment and driving strategy development
- Path Planning development in urban environment
- Research on Motion Planning with Reinforcement Learning

PROJECTS

Autonomous Walking Robot Using Raspberry Pi (09/2020 - 12/2020)

Designed entire robot from walking mechanism to the decision-making process.

End To End Autonomous Driving Using Deep Learning (01/2021 - 02/2021)

Trained Decision making model with CNN and applied it to mini-car with raspberry pi.

MPC Based Autonomous Driving Lane Change Planning and Control Using Game Theory in Heavy Traffic Situation (09/2021 - 12/2021)

Designed MPC based lane change planning and control method using game theory(Stackelberg model) in Carla Simulator

CERTIFICATE

Udacity Mentor Certification (10/2022 - Present)

- Motion Planning And Decision Making For Autonomous Vehicles

TOEIC (975, ENGLISH) (01/2021 - 01/2023)

OPIc (AL , ENGLISH) (02/2021 - 02/2023)

MILITARY SERVICE

Complete military service at the Republic of Korea Marine Corps as Artillery FDC (04/2018 - 12/2019)