Hyunwoo Park
Autonomous driving software engineer

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

✉ kevin3671@naver.com

📱 +821073763671

📍 Seoul, Republic of Korea

📅 18 June, 1996

🗔 drive.google.com/file/d/1vw AmDYj4KdSkJpAVSyGsKA-5_QVNDKlo/view? usp=sharing

in linkedin.com/in/hyun-woo-park-7b782a158

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 using Reinforcement Learning

PUBLICATION

Trajectory Planning for Autonomous Vehicle Using Iterative Reward Prediction in Reinforcement Learning (04/2024)
Arxiv

Safe and Efficient Trajectory Optimization for Autonomous Vehicles using B-spline with Incremental Path Flattening (11/2023)
Arxiv (Submitted to T-ITS)

Occlusion-aware Risk Assessment and Driving Strategy for Autonomous Vehicles Using Simplified Reachability Quantification (11/2023)
IEEE Robotics and Automation Letters

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)