

Jebeom Chae

MACHINE LEARNING · PATH PLANNING

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“Experience is the best teacher.”

Summary

This is Jebeom Chae who wants to become an expert in the development of control systems using machine learning or in the field of autonomous driving. And I also interested in devising a better problem-solving method for challenging tasks, and learning new technologies and tools if the need arises. Through this process, I hope to grow up with my colleagues.

Research Interests

Machine Learning Online RL, Imitation Learning

Path Planning Learning-based Planning, Sampling-based Planning

Education

Konkuk University

B.S. IN MECHANICAL AND AEROSPACE ENGINEERING

- **Total GPA** : 4.18/4.5
- Two years of absence due to military service

Seoul, S.Korea

Mar. 2019 - Present

Work Experience

KIST(Korea Institute of Science and Technology)

STUDENT INTERN(ADVISOR: DR.KEUNWOO JANG)

- Research on **Whole-Body Control** of mobile manipulator based on **Model Predictive Path Integral (MPPI)**
- SLAM and Navigation Using a Mobile Manipulator Platform

Seoul, S.Korea

Mar. 2024 - Present

Awards & Scholarship

SCHOLARSHIP

2021-1 **Academic Scholarship**, for top seat last semester

Seoul, S.Korea

2024-1 **Academic Scholarship**, for top seat last semester

Seoul, S.Korea

Skills

Programming C++/C, Python, Matlab, Linux, LaTeX

DevOps Git, ROS2/ROS

Languages Korean, English

Extracurricular Activity

ICT Mentoring Project(Probono)

Ministry of Science and ICT

MENTEE

Apr. 2022 - Nov. 2022

- Gained expertise in Git skill using gitlab.
- Learned how to operate various sensors such as camera, motion sensor etc.

Korea Robot Aircraft Competition

Ministry of Trade, Industry and
Energy

PARTICIPANT

Mar. 2023 - Sep. 2023

- Controlling the movement of the vehicle and guide the path using ROS and C/C++.
- Processing data from the vehicle to the desired format using MATLAB.

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TRAINEE

- Taking lectures related to AI such as supervised learning, machine learning, and deep learning.
- Implement ML models utilizing Python and Scikit-learn through hackathon
- Here are some tips what I have learned through lectures and hackathon on my **Tech Blog**.

Notion Page

WRITERS

- You can check out my simple CV and the projects I have worked on so far at **[this link]**
- Writing specific methods of the projects and Trouble Shooting during the project

Technical Blog

WRITERS

- You can easily access my blog using **[this link]**
- Writing some posts about lecture summary, paper review, and some tips for development
- To share what I studied and to remember more longer

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Jan. 2024 - Feb. 2024

[Notion](#)

Mar. 2023 - Present

[Github Blog](#)

Jan. 2024 - Present