Jebeom **Chae**

MACHINE LEARNING · PATH PLANNING

120, Neungdong-ro, Gwangjin-gu, Seoul, Republic of Korea, 05029, Republic of Korea

(+82) 10-2678-3302 | cowpqja3302@naver.com | jebeom.github.io | jebeom

"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   *Seoul, S.Korea*
B.S. IN MECHANICAL AND AEROSPACE ENGINEERING   *Mar. 2019 - Present*
- **Total GPA** : 4.18/4.5
- Two years of absence due to military service

Work Experience

KIST(Korea Institute of Science and Technology   *Seoul, S.Korea*
STUDENT INTERN(ADVISOR: DR.KEUNWOO JANG)   *Mar. 2024 - Present*
- Research on **Model Predictive Path Integral (MPPI)** and **whole-body control** for mobile manipulator
- SLAM and Navigation Using a Mobile Manipulator Platform

Awards & Scholarship

SCHOLARSHIP

2021-2 **Academic Scholarship**, for top seat last semester   *Seoul, S.Korea*
2023-2 **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 in the competition.

LG Aimers 4th   *LG*

<small>TRAINEE</small>   *Jan. 2024 - Feb. 2024*

- Taking lectures related to AI such as supervised learning, machine learning, and deep learning.
- Implement AI models using data from actual LG factories through hackathon
- Here are some tips what I have learned through lectures and hackathon on my **Tech Blog**.

Notion Page   *Notion*

<small>WRITERS</small>   *Mar. 2023 - Present*

- 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   *Github Blog*

<small>WRITERS</small>   *Jan. 2024 - Present*

- 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