Jebeom **Chae**
MACHINE LEARNING · CONTROL

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 collegues.

Research Interests

Machine Learning Imitation Learning, Data-Efficient Learning
Motion 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 - Aug. 2024*
- Research on **Whole-Body Control** of mobile manipulator based on **Model Predictive Path Integral (MPPI)**
- SLAM and Navigation Using a Mobile Manipulator Platform

Yonsei University @MLCS   *Seoul, S.Korea*
UNDERGRADUATE STUDENT   *Sep. 2024 - Present*
- Study on **Equivariant Neural Networks** for Data-Efficient Learning
- Conduct a weekly group study with lab Interns

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
DevOps   Git, Docker, 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

PARTICIPANT

- 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.

LG Aimers 4th

LG

TRAINEE

Jan. 2024 - Feb. 2024

- 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

Notion

WRITERS

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

WRITERS

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