

JaeSung Ahn

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🌐 github.com/voyagerahn

EDUCATION

Seoul National University of Science and Technology *Mar 2020 – Aug 2022*
B.S. in Mechanical System Design Engineering (*Advisor: Prof. Chibum Lee*)

EXPERIENCE

Hyundai Motor Company *Uiwang, Korea*
Research Engineer (Mobile robot team, Robotics Lab) *Jan 2023 - Present*

HL Mando *Seongnam, Korea*
Engineer (S/W Campus, Global R&D Center) *Nov 2022 – Dec 2022*
• SbW(steer-by-wheel) control logic

Korea Institute of Science and Technology (KIST) *Seoul, Korea*
Undergraduate Student Researcher (Advisor: Ph.D. Yisoo Lee) *Sep 2021 – Sep 2022*
• Developed model predictive control and deep reinforcement learning combined control algorithms for 18DoF quadruped robot

Republic of Korea Air Force, Pyeongtaek, Korea *2015 - 2017*
Military Service

HONORS AND AWARDS

Merit-based Scholarship *2018 - 2019*

Undergraduate Conference Award *12/01/2018*

Outstanding Design Award *01/11/2020*
Awarded by The Hong Kong University of Science and Technology (HKUST),
Sungkyunkwan University (SKKU)

2021 SRC IRC Intelligent Robot *10/30/2021*
4th place, Awarded by Dean of Engineering

EXTRACURRICULAR ACTIVITIES

Member of Robotics Research Club ‘Thot’, SeoulTech

2020

Undergraduate Student (Advisor: Prof. Donghwan Kim)

- . Designed, fabricated, tested robots(e.g. drones, manipulator)
- . Contributed to Deep learning based Bin Picking & Inserting project that used fully convolutional model for real-time image segmentation

PROFESSIONAL TRAINING

Nvidia Certification, Nvidia Deep Learning Institute, 12/02/2021

- Fundamentals of Deep Learning

TECHNICAL SKILLS

Programming and Software

- C99/C++20, Python, Java, R, Matlab, Swift, VHDL
- PyTorch, TensorFlow, ROS (melodic), Ray
- Vim, Git, CMake, Shell Script, Linux/Unix
- NX, OrCAD, ANSYS
- MuJoCo, Raisim, Pybullet

Experience with Robots

UnitreeRobotics A1, KIST Dual Arm robot, KIST Humanoid Mahru-R (Only simulation)

REFERENCES

Yisoo Lee, Ph.D.

Senior Researcher

Center for Intelligent and Interactive Robotics

Korea Institute of Science and Technology

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