

YongSeung Yang

M.S. Student

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EDUCATION

Gwangju Institute of Science and Technology Gwangju, Korea
M.S. in Mechanical and Robotics Engineering 2026 – Present

Kyung Hee University Suwon, Korea
B.S. in Mechanical Engineering 2019 – 2026

PROJECT

Kyung Hee University Suwon, Korea
Undergraduate Researcher 2019 – 2026

- Mobile robot crosswalk navigation simulation using path-planning algorithms and Unity-based environment (Sep 2024 – Jul 2025).
- IMU-based impact mitigation analysis comparing airbag and non-airbag scenarios (Sep 2024 – Dec 2024).
- Upper-limb exoskeleton structural design for industrial wearable robotics (Mar 2024 – Jun 2024).
- Large cruise ship conceptual structural design using AutoCAD (Mar 2023 – Jun 2023).

SKILLS

🔧 Python · C/C++ · Matlab · ROS

✂ SolidWorks · AutoCAD · Abaqus
RecurDyn · Ansys · Unity

🗣 English : TOEIC 805

INTERESTS

- Free Energy Principle
- Reinforcement Learning
- Control Theory

COURSEWORK

- Robot Programming
- Experimental Statistics
- Biomedical Engineering
- Finite Element Method (FEM)
- Kinematics