YoungWook Song

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EDUCATION

Kwangwoon University   03.2018 - 02.2024
B.S. in Computer and Information Engineering, GPA 3.62/4.5

WORK EXPERIENCES

Robots and Design   01.2024 - 07.2024
SW Engineer, Worked on control systems for Wafer Transfer Robots

PROJECTS

MORAI-Woowa Delivery Competition   09.2023
- Implemented a project delivering goods using the Dilly delivery robot
  in the MORAI digital-twin simulation environment while avoiding dynamic obstacles

Pill Administration Management App   08.2023
- Developed an application that manages medication by recognizing
  pill images using a pretrained MobileNet model.

AutoDriving in MORAI Simulation   07.2023
- Implemented LKAS using the sliding window approach in the MORAI Simulation, and utilizing
  GPS for waypoint acquisition while employing a lattice planner for waypoint following.

Optimized Matrix Convolution Implementation Using ARM Assembly   11.2022
- Implemented an optimized matrix convolution algorithm using ARM assembly,
  leveraging loop unrolling and eliminating overlapping padding for improved performance.

Scholarships and Awards

- Software Excellence Scholarship, Kwangwoon University   09.2022
- Most Improved Student Award, Kwangwoon University   10.2021
- Convergence subject student output exhibition Top prize, Kwangwoon University   09.2021

Skills

- **C/C++:** Proficient

- **Python:** Proficient

Languages

- **Korean:** Native
- **English:** Proficient
- **EXAM:** TOEIC 760, TOEIC SPEAKING IH(150)