

Taeheon Roh

Reinforcement Learning · Robotics

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Highlights

I am a Software Engineer at **Samsung GTR** (Global Technology Research). My research interests lie in **Reinforcement Learning** and **Robotics**.

I am a recipient of the Ajou University Award given to the only one graduate in the engineering college with outstanding performance during college years. I also won the Excellence Prize at the ICT Smart Device National Competition held by the Ministry of Science and ICT in 2022.

Experience

Global Technology Research, Samsung Electronics

Software Engineer

Developing control systems for production equipment and industrial robots

Suwon, Korea

Oct. 2024 - Present

Education

Ajou University, Suwon, South Korea

Mar. 2018 - Feb. 2024

- B.S. in Mechanical Engineering & Software and Computer Engineering (Double Major)
- GPA: **4.22/4.5** | Major GPA: **4.39/4.5**
- Relevant Coursework: Machine Learning, Mechanisms Analysis and Design, Probability and Statistics

Projects

Stable Exploration in High-Dimensional Action Spaces | [Project Page](#)

May. 2025 - Present

Title: Element-wise Action Importance Estimation for Adaptive Exploration in High-Dimensional Action Spaces (personal project)

Development of a device for the visually impaired utilizing object detection

Jun. 2022 - Aug. 2022

Award: Excellence Prize at the ICT Smart Device National Competition 2022

Honors & Awards

Ajou University Award, Ajou University

Feb. 2024

Only one graduate in the engineering college with outstanding performance during college years

Daewoo Scholarship, College of Engineering, Ajou University (2 times)

Spring 2022, Fall 2022

Top-ranked student by grade for the college of engineering (1st place in each grade of the college by semester)

Yulgok Scholarship, Department of Mechanical Engineering, Ajou University

Fall 2023

Scholarship for academic excellence (1st place in each grade of the department by semester)

Guwon Scholarship, Guwon Scholarship Foundation (2 times)

Spring 2022, Fall 2022

Scholarship for academic excellence

Dean's List, Ajou University (5 times)

Fall 2021 - Fall 2023

Excellence Prize, ICT Smart Device National Competition

Aug. 2022

Competition held by the Ministry of Science and ICT

Participation Prize, Precision Engineering Creativity Competition

Nov. 2021

Competition held by the Korean Society for Precision Engineering (KSPE)