

# Taeheon Roh

Reinforcement Learning · Robot Learning

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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

### **Adaptive 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 (1<sup>st</sup> place in each grade of the college by semester)

### **Yulgok Scholarship, Department of Mechanical Engineering, Ajou University**

Fall 2023

Scholarship for academic excellence (1<sup>st</sup> 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)