

# Seongsoo Park

Undergraduate Internship Student  
Department of Electrical Engineering and Computer Science  
GIST, Korea

[heroictimpani@gm.gist.ac.kr](mailto:heroictimpani@gm.gist.ac.kr)

+82) 010-7290-8901

<https://github.com/pssup/>

<https://pssup.github.io/>

## Research Summary

My research focuses on the reasoning and generalization capabilities of artificial intelligence agents and aims to enhance these abilities. I am researching the Abstraction and Reasoning Corpus (ARC) benchmark, with a particular interest in the new ARC-AGI-3, which measures agentic intelligence regarding unseen tasks. To address this issue, I am currently focusing my research on planners based on world models. My research topic is optimizing the planning process in unseen environments using various methods, such as planning algorithms and LLM.

## Research Interests

- Abstraction and reasoning on unseen environments
- Neuro-symbolic approach to reasoning
- Searching and planning in new environments

## Education

March 2023–February 2027 (expected): Gwangju Institute of Science and Technology, Undergraduate Student

- B.S. in Electrical Engineering and Computer Science; Minor in AI Convergence
- Total GPA: 4.37/4.50

## Exchange student experiences

I studied abroad through the UC Berkeley Summer Session in the summer semester of 2025 and took two courses: Introduction to Artificial Intelligence (A+) and Foundations of Computer Graphics (A0). During the courses, I have participated in a project: <https://github.com/awaldman0/waterbender>. In this project on physical simulations for particle-based fluids using C++ and OpenGL, I was responsible for implementing the physics code and UI functions.

## **Academic Experiences**

- January 2026–Now: Undergraduate Internship in GIST Data Science Lab, Professor: Sundong Kim
- September 2024–February 2025: Research Internship in Autonomous Computing Systems Lab, Professor: Uehwan Kim