

# Gwanwoo Song

[sgw1213@yonsei.ac.kr](mailto:sgw1213@yonsei.ac.kr) | <https://github.com/longway13>

## EDUCATION

<b>Yonsei University</b> MS/PHD student in Artificial Intelligence	Feb 2026 – Seoul, Korea
<b>Yonsei University</b> B.S in Computer Science GPA : 4.0/4.3 (major), 3.9/4.3 (cumulative)	Feb 2020 – Feb 2026 Seoul, Korea

## RESEARCH INTEREST

My research goal is to enable physical robots to perform long-horizon and complex tasks. Reinforcement learning has the promise to move beyond behavior cloning, but RL from scratch is too dangerous for real robots. To address these problems, I am interested in:

- (1) offline RL, to find ways to utilize massive datasets
- (2) offline-to-online RL, to learn useful priors for more effective and safe exploration

## PUBLICATION

<b>[C1]</b> Hyungjoo Chae, Namyoung Kim, Kai Tzu-iunn Ong, Minju Gwak, <b>Gwanwoo Song</b> , Jihoon Kim, Sunghwan Kim, Dongha Lee, and Jinyoung Yeo. <a href="#">Web Agents with World Models: Learning and Leveraging Environment Dynamics in Web Navigation</a> , <i>International Conference on Learning Representations (ICLR)</i> , 2025
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## EXPERIENCE

<b>Yonsei RLLab Research Intern</b> Advisor: Prof. Youngwoon Lee	July 2025 – present
<b>LanguageAGI Lab Research Intern</b> Advisor: Prof. Jinyeong Yeo	June 2024 – Nov 2024

• Conducted research on offline goal-conditioned RL to solve robotic tasks.

• Conducted research on large language models in the medical domain, focusing on reasoning with multiple LLMs and developing an LLM-based evaluator.

• Conducted research on large language models for web agents, augmenting a trained world model to incorporate web environment dynamics.

## AWARDS AND SCHOLARSHIPS

<b>Upstage X Ybigta Agent Hackathon Encouragement Award</b>	Apr 2025
• Developed RAG-based agent that analyzes the risks in finance products.	
• Built a database of financial dispute cases and court rulings, using OpenAI embeddings for retrieval-augmented generation (RAG).	

**Honors** Aug 2024

**High Honors** Feb 2024

## SKILLS

**Skills:** Pytorch, Python, C++, Java, NodeJS  
**Language:** Korean (native), English (proficient)

## SERVICES

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**Reviewer:** System2 Reasoning Workshop (Neurips 2024)