Gwanwoo Song

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EDUCATION

Yonsei University   Feb 2026 –
MS/PHD student in Artificial Intelligence   Seoul, Korea

Yonsei University   Feb 2020 – Feb 2026
B.S in Computer Science   Seoul, Korea
GPA : 4.0/4.3 (major), 3.9/4.3 (cumulative)

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

[**C1**] Hyungjoo Chae, Namyoung Kim, Kai Tzu-iunn Ong, Minju Gwak, **Gwanwoo Song**, Jihoon Kim, Sunghwan Kim, Dongha Lee, and Jinyoung Yeo. Web Agents with World Models: Learning and Leveraging Environment Dynamics in Web Navigation, *International Conference on Learning Representations (ICLR), 2025*

EXPERIENCE

Yonsei RLLab Research Intern   July 2025 – present
Advisor: Prof. Youngwoon Lee
- Conducted research on offline goal-conditioned RL to solve robotic tasks.

LanguageAGI Lab Research Intern   June 2024 – Nov 2024
Advisor: Prof. Jinyeong Yeo
- 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

Upstage X Ybigta Agent Hackathon Encouragement Award   Apr 2025
- Develop RAG-based agent that analyze the risks in finance product.
- Build 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 (proficent)

Services

Reviewer: System2 Reasoning Workshop (Neurips 2024)