

Gwanwoo Song

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EDUCATION

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

- [C1] Hyunjoo 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 Advisor: Prof. Youngwoon Lee <ul style="list-style-type: none">Conducted research on offline goal-conditioned RL to solve robotic tasks.	July 2025 – present
LanguageAGI Lab Research Intern Advisor: Prof. Jinyeong Yeo <ul style="list-style-type: none">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.	June 2024 – Nov 2024

AWARDS AND SCHOLARSHIPS

Upstage X Ybigta Agent Hackathon Encouragement Award <ul style="list-style-type: none">Developed RAG-based agent that analyzes the risks in finance product.Build a database of financial dispute cases and court rulings, using OpenAI embeddings for retrieval-augmented generation (RAG).	Apr 2025
Honors	Aug 2024
High Honors	Feb 2024

SKILLS

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

Reviewer: System2 Reasoning Workshop (Neurips 2024)