

SEUNGJUN MOON

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WORK EXPERIENCE

KT, AI Future Lab

AI Research Engineer

Seoul, South Korea

Jul. 2025-Present

- Research Areas: AI Agents, MCP Host

Tutoring, Market Designers

AI Research Engineer

Seoul, South Korea

Feb. 2023- Feb. 2024

- Design and implement memory-augmented dialogue system
- Advisor: Jinyoung Yeo

Life Planning Lab

Server & Infra Engineer

Seoul, South Korea

Mar. 2021- Aug. 2021

- Manage cloud infrastructure and deployment pipelines
- Develop Backend system for production services

EDUCATION

Yonsei University

M.S. in Computer Science

Seoul, South Korea

Mar. 2023- Aug. 2025

- Research Areas: AI Agents, RL, Generative AI
- Advisor: Jinyoung Yeo

Yonsei University

B.S. in Computer Science

Seoul, South Korea

Mar. 2017- Aug. 2022

- Graduation Project: Dialogue agent for english education
- Excellence Award
- Major GPA: 3.8/4.5
- Advisor: Jinyoung Yeo

PUBLICATIONS (* Denotes equal contribution)

WEB-SHEPHERD: Advancing PRMs for Reinforcing Web Agents

Hyunjoo Chae*, Sunghwan Kim*, Junhee Cho*, Seungone Kim, **Seungjun Moon**, Gyeom Hwangbo, Dongha Lim, Minjin Kim, *et al.* (12 Authors omitted), Jinyoung Yeo

Submitted to NeurIPS 2025, Under Review

[Paper] [Link] [Code]

Embodied Agents Meet Personalization: Exploring Memory Utilization for Personalized Assistance

Taeyoon Kwon*, Dongwook Choi*, Sunghwan Kim, Hyojun Kim, **Seungjun Moon**, Beong-woo Kwak, Kuan-Hao Huang, Jinyoung Yeo

Submitted to NeurIPS 2025, Under Review

[Paper] [Link] [Code]

Coffee: Boost Your Code LLMs by Fixing Bugs with Feedback

Seungjun Moon*, Hyunjoo Chae*, Yongho Song*, Taeyoon Kwon, Dongjin Kang, Kai Tzu-iunn Ong, Seung-won Hwang, Jinyoung Yeo

Arxiv

[Paper] [Code]

COFFEE-GYM: An Environment for Evaluating and Improving Natural Language Feedback on Erroneous Code

Hyunjoo Chae*, Taeyoon Kwon*, **Seungjun Moon***, Yongho Song, Dongjin Kang, Kai Tzu-iunn Ong, Seung-won Hwang, Jinyoung Yeo

In Proceedings of EMNLP 2024.

[Paper] [Link] [Dataset] [Model]

Can Large Language Models be Good Emotional Supporter? Mitigating Preference Bias on Emotional Support Conversation

Dongjin Kang*, Sunghwan Kim*, Taeyoon Kwon, **Seungjun Moon**, Hyunsouk Cho, Youngjae Yu, Dongha Lee, Jinyoung Yeo

In Proceedings of ACL 2024, Outstanding Paper

[Paper]

Large Language Models are Clinical Reasoners: Reasoning-Aware Diagnosis Framework with Prompt-Generated Rationales

Taeyoon Kwon*, Kai Tzu-iunn Ong*, Dongjin Kang, **Seungjun Moon**, Jeong Ryong Lee, Dosik Hwang, Beomseok Sohn, Yongsik Sim, Dongha Lee, Jinyoung Yeo

In Proceedings of AAAI 2024.

[Paper]

EXPERIENCE

- | | |
|-----------------------|---|
| Feb. 2022 – Aug. 2022 | <ul style="list-style-type: none">• Commonsense Reasoning (Internship; Advisor: Jinyoung Yeo)
Develop continual learning approaches for robust generalization across diverse commonsense reasoning domains. |
| Aug. 2021 – Feb. 2022 | <ul style="list-style-type: none">• Yonsei AI - Vice President
Lead the Yonsei AI Association to foster collaboration and advance research across diverse AI domains.• Dialogue Agent (Internship; Advisor: Jinyoung Yeo)
Dialogue agent for english education. By predicting user's next utterance, agent suggests appropriate user's response. |

ACADEMIC SERVICES

Teaching Assistant

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| • Natural Language Processing and ChatGPT , Yonsei University | Sep. 2023 - Dec. 2023 |
| • Software Capstone Design , Yonsei University | Mar. 2023 - Jul. 2023 |

Research Support

- **GPU Server Management**

Manage and maintain the lab's GPU server infrastructure, including CUDA version updates and system stability.

- **Docker Management**

Build a custom Docker image for complex, dependency-heavy frameworks to enable portable environments for embodied agent experiments.

PROJECTS

- **ICT Project**

Role: Model training, Server development

Develop a summarization model that captures key information from real-time trending news

- **Industry-University Cooperation with TheBackEnd**

Role: Model training, deployment

Develop a model that predicts user's turnover based on behavioral action logs.

AWARDS

- **Software Capstone Design: Excellence Award**

Dec. 2021

- **Hanium ICT: Consolation Award**

Nov. 2021

SKILLS

Programming Languages	• Python, Java, C/C++, JavaScript.
Deep Learning Frameworks and Tools	• PyTorch, Weights and Biases, vLLM, TGI(Text Generation Inference), Langchain, DeepSpeed, TRL, gradio, axolotl.
Research Support Tools	• Slack, Notion, Figma, Matplotlib, Papers, Scholar Inbox.
Web & Infrastructure	• Node.js, Next.js, Typescript, Firebase, Docker, EC2.
Natural Languages	• English (professional working proficiency), Korean (native).

REFERENCES

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College of Computing

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