

# SEUNGJUN MOON

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Homepage: <https://lune-blue.github.io/about/>

Google Scholar: <https://scholar.google.com/citations?user=IHtB2gQAAAAJ&hl=ko&oi=sra>

## WORK EXPERIENCE

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### KT, AI Future Lab

AI Research Engineer

Seoul, South Korea

Jul. 2025-Present

- Research Areas: AI Agents, Generative AI

### 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

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### 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)

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### 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

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

## ACADEMIC SERVICES

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### Teaching Assistant

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| • <b>Natural Language Processing and ChatGPT</b> , Yonsei University | Sep. 2023 - Dec. 2023 |
| • <b>Software Capstone Design</b> , 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

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- **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

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- **Software Capstone Design: Excellence Award**

Dec. 2021

- **Hanium ICT: Consolation Award**

Nov. 2021

## SKILLS

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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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### Jinyoung Yeo

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