

SEUNGJUN MOON

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

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EDUCATION

Yonsei University

M.S. in Computer Science

Seoul, South Korea

Mar. 2023-Present

- Advisor: Jinyoung Yeo
- Research Areas: RL, Code LLMs, Dialogue Agents, Reasoning

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)

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]

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. 2023 – Feb. 2024 • **Tutoring, Market Designers Inc.** (Advisor: Jinyoung Yeo)
Dialogue agent that effectively leverages memories from prior dialogue history
- Aug. 2021 – Aug. 2022 • **CONVEI LAB Internship** (Advisor: Jinyoung Yeo)
Dialogue agent for english education. By predicting user's next utterance, agent suggests appropriate user's response.
- Aug. 2021 – Feb. 2022 • **Yonsei AI - Vice President**
Led the Yonsei AI Association to foster collaboration and advance research across diverse AI domains.
- May. 2021 – Aug. 2021 • **Life Planning Lab.**
Manage cloud compute services and deployment environment

RESEARCH EXPERIENCE

- Aug. 2021 – Aug. 2022 • **Dialogue Agent** (Advisor: Jinyoung Yeo)
Build memory-augmented dialogue systems to enable long-term consistency and coherence in conversations.
- Feb. 2023 – Feb. 2024 • **Commonsense Reasoning** (Advisor: Jinyoung Yeo)
Develop continual learning approaches for robust generalization across diverse commonsense reasoning domains.
- Jan. 2025 – Present • **Embodied Agent** (Advisor: Jinyoung Yeo)
Build memory system to enhance LLM's planning and reasoning in personalized, interactive environments.
- Feb. 2025 – Present • **Web Agent** (Advisor: Jinyoung Yeo)
Develop reward model to provide process-level feedback in web navigation tasks, addressing the inefficiency of sparse signals

ACADEMIC SERVICES

Teaching Assistant

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

PROJECTS

- **ICT Project**
Role: Model training, Server development
Summarization model that summarizes recent hot topic news.
- **Industry-University Cooperation with TheBackEnd** **Role:** Model training
Model that predicts customer turnover by customer's action log

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, Tensorflow, vLLM, TGI, OpenLLM, Langchain, DeepSpeed, BitsAndBytes, axolotl.
Web Dev	• Node.js, Next.js, Typescript, Firebase, EC2.
Natural Languages	• English (professional working proficiency), Korean (native)

REFERENCES

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