SEUNGJUN MOON

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EDUCATION

Yonsei University   Seoul, South Korea
M.S. in Computer Science   Mar. 2023-Present

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

Yonsei University   Seoul, South Korea
B.S. in Computer Science   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
Hyungjoo 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*, Hyungjoo 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**
Hyungjoo 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. 2023 – Feb. 2024	• **Tutoring, Market Designers Inc.** (Advisor: Jinyoung Yeo) Build memory-augmented dialogue systems to enable long-term consistency and coherence in conversations.
Feb. 2022 – Aug. 2022	• **Commonsense Reasoning** (Internship; Advisor: Jinyoung Yeo) Develop continual learning approaches for robust generalization across diverse commonsense reasoning domains.
Aug. 2021 – Feb. 2022	• **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.
May. 2021 – Aug. 2021	• **Life Planning Lab.** Manage cloud infrastructure and deployment pipelines, along with backend system development for production services.

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

References

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