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: RL, Code LLMs, Dialogue Agents, Reasoning

Yonsei University   Seoul, South Korea
B.S. in Computer Science   Mar. 2017- Aug. 2022

- Graduation Project: Dialogue agent for english education
- Excellence Award
- Advisor: Jinyoung Yeo

CodeLLMs with RL publications (* Denotes equal contribution)

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]

Publications (* Denotes equal contribution)

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

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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College of Computing
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