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RESEARCH INTEREST

Natural Language Processing, Machine Learning

AI Alignment, Embodied AI, LLM Agents, AI in the Real World

EDUCATION

Republic of Korea Air Force

Apr. 2020 - Jan. 2022

Information System Management Specialist

Chung-ang University

Mar. 2019 - Feb. 2025

B.S. in Software Engineering, Magna Cum Laude

GPA: 4.06/4.5 Major GPA: 4.18/4.50

PUBLICATIONS & PREPRINTS

(* Equal contribution)

PREPRINT

[P3] Embodied Agents Meet Personalization: Exploring Memory Utilization for Personalized Assistance [paper][webpage]

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

Under Review at NeurIPS 2025

[P2] Web-Shepherd: Advancing PRMs for Reinforcing Web Agents [paper]

Hyungjoo Chae*, Sunghwan Kim*, Junhee Cho*, ..., Dongwook Choi, ..., Jinyoung Yeo

Under Review at NeurIPS 2025

[P1] Rethinking Human-AI Collaboration: Are Clinicians and LLMs Good Partners for Clinical Co-reasoning?

Kai Tzu-iunn Ong*, Hyojun Kim, Iiseo Jihn, Jiwoo Kim, Junwon Seo, Jihoon Kim, Sunghwan Kim, Dongwook Choi, Eun Young Choi, Jinyoung Yeo

Under Review at EMNLP 2025

REFEREED CONFERENCE PAPER

[C1] Designing Memory-Augmented AR Agents for Spatiotemporal Reasoning in Personalized Task Assistance [paper]

Dongwook Choi, Taeyoon Kwon, Dongil Yang, Hyojun Kim, Jinyoung Yeo

In *Proceedings of the XRMemory: 2nd International Workshop on Spatial Memory in XR*, held at the 24th IEEE International Symposium on Mixed and Augmented Reality (ISMAR 2025), 2025.

ACADEMIC SERVICES

Reviewer

ACL ARR

Jul. 2025

Teaching Assistant (Academic)

Natural Language Processing (CAS3301) | Yonsei University, Seoul, South Korea

Spring. 2025

Teaching Assistant (Industrial)

Introduction to Natural Language Processing | SKT Academy, Seoul, South Korea

Jul. 2025

AI Expert Class | Samsung, Seoul, South Korea

Jun. 2025

AWARDS & HONORS

Magna Cum Laude Chung-Ang University	2025
Da Vinci Scholarship S Chunag-Ang University	2019-1, 2019-2, 2022-1, 2022-2, 2023-1, 2023-2, 2024-1, 2024-2

RESEARCH & WORK EXPERIENCE

Language&AGI Lab Yonsei University, Seoul, South Korea <i>Undergraduate Research Intern</i> <ul style="list-style-type: none">• Advisor: Jinyoung Yeo• Co-authored research on memory-augmented embodied agents for personalized assistance, resulting in under review at NeurIPS 2025 [P1]• Led research on agent systems in the AR domain, resulting in a paper accepted at the XRMemory Workshop, IEEE ISMAR 2025 [C1]	Dec. 2024 - Aug. 2025
Bside Korea Seoul, South Korea <i>RnD Intern</i> <ul style="list-style-type: none">• Lead project solving real-world scenarios by deploying LLM-driven applications• Contribute to development of LLM-based English tutoring system• Participate in constructing a continuous integration system for chatbot content	Sep. 2023 - Feb. 2024
Seoul Institute of Technology (Currently, Seoul Institute) Seoul, South Korea <i>Investigator</i> <ul style="list-style-type: none">• Lead project solving real-world scenarios by deploying LLM-driven applications	Jul. 2023 - Aug. 2023
Data Science Lab Chung-Ang University, Seoul, South Korea <i>Undergraduate Research Intern</i> <ul style="list-style-type: none">• Advisor: Yoon-Sik Cho• Co-led project applying ML/DL techniques in medical domain, resulting in journal publication [P1]	Dec. 2022 - Dec. 2023