DONGWOOK CHOI

dongwxxkchoi.github.io   linkedin.com/in/dongwook-choi   dwchoi0610@gmail.com

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   Dec. 2024 - Aug. 2025
Undergraduate Research Intern
- 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]

Bside Korea | Seoul, South Korea   Sep. 2023 - Feb. 2024
RnD Intern
- Led project developing a continuous data pipeline integrating DART disclosures, Telegram messages, and emails to power a chatbot

Seoul Institute of Technology (Currently, Seoul Institute) | Seoul, South Korea   Jul. 2023 - Aug. 2023
Investigator
- Led Off-Site Energy Prediction Project

Data Science Lab | Chung-Ang University, Seoul, South Korea   Dec. 2022 - Dec. 2023
Undergraduate Research Intern
- Advisor: Yoon-Sik Cho
- Contribute to Multimodal-based Man-Hour Automatic Calculation Project with *Hyundai Glovis*