

JEONGEUN LEE

M.S. Student, Department of Artificial Intelligence, Yonsei University

✉ ljeadec31@yonsei.ac.kr |  [Google Scholar](#) |  [Homepage](#) |  [GitHub](#) |  [LinkedIn](#)

RESEARCH INTERESTS

I study how multimodal models determine what matters in long streams of observations and adapt their judgments to changing contexts and tasks. Specifically, I explore:

- long-horizon reasoning for embodied agents
- context-conditioned reward modeling for text-to-image generation
- multimodal reasoning over videos, images, text, and structured knowledge (i.e., graphs)
- agentic frameworks for simulating real-world user behaviors

EDUCATION

M.S., Computer Science / Artificial Intelligence, Yonsei University Mar 2024 – Aug 2026

- Data & Language Intelligence (DLI) Lab (advisor: [Dongha Lee](#))

B.S., Computer Science, Yonsei University

Mar 2019 – Feb 2024

Exchange Student, Computer Engineering, University of Vienna

Feb 2022 – Jan 2023

PUBLICATIONS

* indicates equal contribution.

1. Personalizing Embodied Multimodal Large Language Model Agents over Long-term User Interactions
Jeongeun Lee, Chanyoung Park, Dongha Lee
ECCVW'26 Workshop on Embodied Multimodal Reasoning , 2026
2. Personalized Reward Modeling for Text-to-Image Generation
Jeongeun Lee, Ryang Heo, Dongha Lee
ECCV'26 | European Conference on Computer Vision
3. Offline Reasoning for Efficient Recommendation: LLM-Empowered Persona-Profiled Item Indexing
Deogyong Kim^{*}, Junseong Lee^{*}, Jeongeun Lee, Changhoe Kim, Junguel Lee, Jungseok Lee, Dongha Lee
arXiv preprint, 2025
4. Towards Personalized Conversational Sales Agents: Contextual User Profiling for Strategic Action
Tongyoung Kim^{*}, Jeongeun Lee^{*}, Soojin Yoon, Sunghwan Kim, Dongha Lee
EMNLP'25 Findings | Findings of the Conference on Empirical Methods in Natural Language Processing
5. HIPPO-VIDEO: Simulating Watch Histories with Large Language Models for History-Driven Video Highlighting
Jeongeun Lee, Youngjae Yu, Dongha Lee
COLM'25 | Conference on Language Modeling

6. Towards Unified and Adaptive Cross-Domain Collaborative Filtering via Graph Signal Processing
Jeongeun Lee, Seongku Kang, Won-Yong Shin, Jeongwhan Choi, Noseong Park, Dongha Lee
arXiv preprint, 2024
7. Re-Ex: Revising after Explanation Reduces the Factual Errors in LLM Responses
Juyeon Kim, **Jeongeun Lee***, Yoonho Chang*, Chanyeol Choi, Junseong Kim, Jy-yong Sohn
ICLR'24 Workshop | Workshop on Reliable and Responsible Foundation Models

RESEARCH EXPERIENCE

Naver Place, Seongnam, South Korea

Aug 2025 – Jun 2026

- Advancing personalized place search and recommendation through user memory modeling
- Built a multimodal POI understanding framework that aligns place content with search intent

LinqAlpha, Massachusetts, USA

Sep 2023 – Mar 2024

- Developed a retrieval-augmented LLM framework for automated fact verification under the guidance of Prof. [Jy-yong Sohn](#)

TEACHING

- Teaching Assistant, [AIC2110] Introduction to Data Science (2024S, 2025S, 2026S), Yonsei University

ACADEMIC SERVICES

Reviewer

- Conference on Neural Information Processing Systems (NeurIPS): 2026

EXTRACURRICULAR ACTIVITIES

YAI (Yonsei Artificial Intelligence)

Jul 2021 – Jun 2024

President, Research Member

- A student-led AI study club that conducts collaborative learning and team projects, including solving applied tasks in partnership with industry.

SKILLS

- **Languages:** Korean (Native), English (Fluent)