Junha Jung

goodjungjun@korea.ac.kr

LinkedIn | Google Scholar | Personal Website

Education

Korea University Sep. 2025 – Aug. 2027 (Expected)
M.S. in Computer Science *Seoul, South Korea*

- Advisor: Jaewoo Kang
- Research Areas: Multimodal Reasoning, Visual Representation & Grounding, Medical MLLMs

Korea University Mar. 2014 – Mar. 2023
B.S. in Materials Science and Engineering; Double Major in Software Venture *Seoul, South Korea*

Publications

Conference Publications

C.1 **Breaking Failure Cascades: Step-Aware Reinforcement Learning for Medical Multimodal Reasoning**
Junha Jung*, Minbyul Jeong*, Suhyeon Lim, Sungwook Jung, Jaehoon Yun, Taeyun Roh, Mujeen Sung, Jaewoo Kang
EMNLP 2026. [paper] [code] [model]

C.2 **CLAG: Adaptive Memory Organization via Agent-Driven Clustering for Small Language Model Agents**
Taeyun Roh, Wonjune Jang, **Junha Jung**, Jaewoo Kang
Findings of ACL 2026. [paper] [code]

Preprints & Under Review

P.1 **MedQual: Reframing Medical Visual Question Answering Through Data Quality**
Junha Jung*, Jaehoon Yun*, Yong Hoe Koo, Suhyeong Park, Hyunjae Kim, Jiwoong Sohn, Jaekyung Myung, Michael Moor, Seung-Jin Yoo, Jaewoo Kang
Preprint expected Nov. 2026.

P.2 **Do All Visual Tokens Matter Equally? Object-Evidence Preserving Token Merging for Vision-Language Retrieval**
Suhyeong Park, **Junha Jung**, Jungwoo Park, Jaewoo Kang
Under review, 2026. [paper] [code] [model]

P.3 **Reason Through the Latent! Making Latent Visual Reasoning Necessary**
Suhyeong Park, **Junha Jung**, Jaewoo Kang
Under review, 2026. [paper] [code] [model]

P.4 **BUZZY: Contrastive Scoring to Mitigate Text-Induced Bias in Multimodal Multiple-Choice QA**
Taeyun Roh, Suhyeong Park, Dongyoung Lee, Wonjune Jang, **Junha Jung**, Eunyeong Jo, Jaewoo Kang
Under review, 2026. [paper] [code]

P.5 **Self-Assessment Reinforcement Learning for Search-State Awareness in Retrieval-Augmented Large Language Models**
Taewhoo Lee, Minju Song, Jungwoo Park, Chanwoong Yoon, **Junha Jung**, Hyeon Hwang, Sanghoon Lee, Minbyul Jeong, Jaewoo Kang
Under review, 2026. [paper]

Experience

Research Experience

- **DMIS Lab, Korea University** | *Graduate Researcher* Sep. 2025 – Present
  - Conducting research on **multimodal reasoning** with multimodal large language models, spanning both medical and general domains.
  - Developing **reinforcement learning and post-training methods** for multimodal reasoning, including process-level supervision for medical visual question answering [C.1, P.1].
  - Advancing **visual representation learning and grounding** for multimodal reasoning, with an emphasis on fine-grained visual evidence preservation and utilization [P.2, P.3].
- **Language & AGI Lab, Yonsei University** | *Research Assistant* Jan. 2025 – Apr. 2025
  - Investigated **LLMs for Science**, focusing on leveraging language models' scientific knowledge to support the discovery and development of advanced semiconductor materials.
  - Explored LLM-based approaches to scientific data analysis and research decision-making, aiming to streamline materials research workflows.

Industry Experience

- **Deloitte Consulting Korea** | *AI Consultant* Feb. 2023 – Oct. 2024
  - Developed and deployed **LLM agents** for HR and ESG applications, streamlining administrative workflows, automating report summarization, and supporting strategic decision-making.
- **S-Core (Samsung SDS Subsidiary)** | *IT Consultant Intern* Jun. 2022 – Aug. 2022
  - Contributed to cloud-based financial data pipeline prototyping using AWS and Samsung Cloud Platform, and evaluated cloud services across AWS, Azure, and GCP.

Skills

Programming Languages	• Python.
Deep Learning Frameworks and Tools	• PyTorch, TensorFlow, vLLM, SGLang, TRL, verl, OpenRLHF, LangChain, DeepSpeed.
Natural Languages	• English (professional working proficiency), Korean (native).