

Joonkee Kim

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PUBLICATIONS

∗: equal contribution, C: conference, J: journal, T: technical report, W: workshop / competition track

- [C8] S. Lim[∗], M. Kim[∗], S. Hong, J. Yeo, S.-Y. Yun, and **Joonkee Kim**. Learning to Comply: Workflow-Grounded Environment Generation for Training Procedurally Compliant Agents. **COLM**, 2026. [\[paper\]](#)
- [C7] Y. Kim[∗], N. Ho[∗], S. Hwang[∗], **Joonkee Kim**, Y. Yang, S. Bae, S. Kim, J. Jung, S.-Y. Yun, and H. Song. LLM-as-a-Tutor: Policy-Aware Prompt Adaptation for Non-Verifiable RL. **NeurIPS**, 2026. [\[paper\]](#)
- [C6] W. Koh, W. Oh, J. Jang, M. Lee, H. Kim, A. Y. Kim, **Joonkee Kim**, J. Lee, T. Kim, and S.-Y. Yun. AdaSTaR: Adaptive Data Sampling for Training Self-Taught Reasoners. **NeurIPS**, 2025. [\[paper\]](#)
- [C5] T. Kim[∗], **Joonkee Kim**[∗], G. Lee[∗], and S.-Y. Yun. Instructive Decoding: Instruction-Tuned Large Language Models are Self-Refiner from Noisy Instructions. **ICLR**, 2024. **Spotlight**. [\[paper\]](#)
- [C4] E. Song, S. Kim, H. Lee, **Joonkee Kim**, and J. Thorne. Re3val: Reinforced and Reranked Generative Retrieval. **Findings of EACL**, 2024. [\[paper\]](#)
- [C3] H. Lee[∗], H. Cho[∗], H. Kim[∗], D. Gwak, **Joonkee Kim**, J. Choo, S.-Y. Yun, and C. Yun. PLASTIC: Improving Input and Label Plasticity for Sample Efficient Reinforcement Learning. **NeurIPS**, 2023. [\[paper\]](#)
- [C2] Y. Yang[∗], **Joonkee Kim**[∗], Y. Kim[∗], N. Ho, J. Thorne, and S.-Y. Yun. HARE: Explainable Hate Speech Detection with Step-by-Step Reasoning. **Findings of EMNLP**, 2023. [\[paper\]](#)
- [C1] J. Oh[∗], **Joonkee Kim**[∗], M. Jeong, and S.-Y. Yun. Toward Risk-Based Optimistic Exploration for Cooperative Multi-Agent Reinforcement Learning. **AAMAS**, 2023. [\[paper\]](#)
- [J2] J. Ma, R. Xie, S. Ayyadthury, C. Ge, A. Gupta, R. Gupta, S. Gu, Y. Zhang, G. Lee, **Joonkee Kim**, et al. The Multimodality Cell Segmentation Challenge: Toward Universal Solutions. **Nature Methods**, 2024. [\[paper\]](#)
- [J1] M. Kim[∗], J. Oh[∗], Y. Lee, **Joonkee Kim**, S. Kim, S. Chong, and S.-Y. Yun. The StarCraft Multi-Agent Exploration Challenges: Learning Multi-Stage Tasks and Environmental Factors Without Precise Reward Functions. **IEEE Access**, 2023. [\[paper\]](#)
- [W1] G. Lee[∗], S. Kim[∗], **Joonkee Kim**[∗], and S.-Y. Yun. MEDIAR: Harmony of Data-Centric and Model-Centric for Multi-Modality Microscopy. **NeurIPS 2022 Competition**, 2023. **1st place**. [\[paper\]](#)

Technical Reports (as a contributor)

- [T7] Upstage. Solar Open 2 Technical Report. 2026. [\[paper\]](#)
- [T6] LG AI Research. EXAONE 4.5 Technical Report. 2026. [\[paper\]](#)
- [T5] LG AI Research. K-EXAONE Technical Report. 2026. [\[paper\]](#)
- [T4] LG AI Research. EXAONE 4.0: Unified Large Language Models Integrating Non-reasoning and Reasoning Modes. 2025. [\[paper\]](#)
- [T3] LG AI Research. EXAONE Deep: Reasoning Enhanced Language Models. 2025. [\[paper\]](#)
- [T2] LG AI Research. EXAONE 3.5: Series of Large Language Models for Real-world Use Cases. 2024. [\[paper\]](#)
- [T1] LG AI Research. EXAONE 3.0 7.8B Instruction Tuned Language Model. 2024. [\[paper\]](#)

EXPERIENCE

LLM Research Engineer, Upstage

Apr 2026 – Present

- Contributing to the Solar LLM series [T7].

LLM Research Engineer, LG AI Research

Feb 2024 – Apr 2026

- Contributed to the EXAONE LLM series, from EXAONE 3.0 to EXAONE 4.5 and K-EXAONE [T1–T6].

Research Intern, IRIS Lab, SKKU

Mar 2021 – Jan 2022

- Led the lab team in the 1st and 2nd rounds of the 5th AI Grand Challenge (Solving Math Word Problems) hosted by IITP.

EDUCATION

Korea Advanced Institute of Science and Technology (KAIST)

Mar 2022 – Feb 2024

M.S. in Graduate School of AI

Advisor: Prof. Se-Young Yun

Sungkyunkwan University (SKKU)

Mar 2015 – Feb 2022

B.S. in Computer Science and Bio-Mechatronics

GPA 4.09/4.5 (Summa Cum Laude); Major GPA 4.39/4.5 (CS), 4.37/4.5 (BM)

AWARDS AND HONORS

- Student Scholarship, AAMAS 2023 *2023*
- 1st Place, NeurIPS 2022 Cell Segmentation Challenge [W1] *2022*
- 6th Place, 5th AI Grand Challenge (Round 2), Solving Math Word Problems, IITP *2021*
- Top 20, 5th AI Grand Challenge (Round 1), Solving Math Word Problems, IITP *2021*