

Euiin Yi

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RESEARCH INTERESTS

Modeling Human Collaborative Intelligence in AI Systems, Scalable and Robust AI Reasoning, Multi-Agent Debate, Efficient LLM Inference, Self-Evolving AI Systems via Intelligent Self-Reinforcement Loops

EDUCATION

Korea Advanced Institute of Science and Technology (KAIST) Seoul, South Korea
M.S. in Graduate School of Artificial Intelligence Aug 2024 - Present
Advisor: Prof. Se-Young Yun [[page](#)]
B.S. in Electric Engineering; GPA: 4.0/4.3 (*Summa Cum Laude*) Feb 2019 - Feb 2024

PUBLICATIONS

*, †: co-first authors, †: equal corresponding authors, C: conference, W: workshop, J: journal, P: preprint, U: under review

2025

- [W2] Y Kim*, **Euiin Yi***, M Kim, S-Y Yun, and T Kim, Guiding Reasoning in Small Language Models with LLM Assistance. COML Workshop SCARL, 2025. [[pdf](#)] [[code](#)]
- [W1] Y Yang*, **Euiin Yi***, J Ko, K Lee, and Z Jin, and S-Y Yun, Revisiting Multi-Agent Debate as Test-Time Scaling: A Systematic Study of Conditional Effectiveness. ICML Workshop MAS, 2025. [[pdf](#)] [[code](#)]

2024

- [C2] **Euiin Yi***, T. Kim*, H. Jeung, DS Chang, and S-Y. Yun. Towards Fast Multilingual LLM Inference: Speculative Decoding and Specialized Drafters. **Empirical Methods for Natural Language Processing (EMNLP)**, 2024. [[pdf](#)][[code](#)]

2023

- [C1] **Euiin Yi**, H. Chung, and K. Park. Learning Spatiotemporal Representation in Nighttime Driving Video for Road Flood Detection. **IEEE Intelligent Transportation Systems Conference (ITSC)**, accepted, 2023.

2022

- [P1] H. Kim, S. Bae, J. Cho, H. Nam, J. Seo, S. Han, **Euiin Yi**, E. Kim, Y-G. Yoon[†], and J-B. Chang[†]. IMPASTO: Multiplexed cyclic imaging without signal removal via self-supervised neural unmixing. BioRxiv preprint, 2022. [[pdf](#)]

EXPERIENCE

Research Intern at LG AI Research Jul 2024 – Present
Mentor: Taehyun Kim

- Research on Language Models Collaborative System, AI agent review

Research Intern at SOCAR Jul 2022 – Feb 2023
Mentor: Kyungho Park & Hyunhee Chung

- Research on video processing and classification on blackbox to recognize accident immediately.

Research Student Intern at Multimodal AI Lab, KAIST Feb 2022 – Jun 2022
Mentor: Joon Son Chung

- Research on multimodal speech processing in YouTube Video

RESEARCH PROJECTS

Development and research of lightweight algorithms for large language models Mar 2024 – Mar 2025
Supporter: KT(Korea Telecom)

- Develop a novel efficiency method on multilingual Speculative Decoding.
- Publish an paper at EMNLP 2024 main conference.

ACADEMIC SERVICES

Reviewer ARR July 2025, EMNLP 2025, ACL 2025, ICML 2025 Workshop MAS, ACL 2025 SRW

AWARDS AND HONORS

- Government-sponsored scholarship, KAIST *2024-2026*
- Samsung Dream Scholarship *2019-2024*
- National Science & Technology Scholarship. *2022-2024*
- 1st Software Startup Competition, 2nd, KAIST *2021*

TEACHING EXPERIENCE

- **Machine Learning Theory, KAIST AI** *Sep 2025 - Dec 2025*
- Served as an official mentor for the course across the entire department
- **Mentor in Korea Student Aid Foundation (KOSAF)** *Nov 2024*
- Provided advanced technology mentoring for students who apply for graduate school.
- **Mentor in Samsung Dream Class, Samsung** *Jan 2020 - Feb 2020*
- Provided math, coding, and career mentoring during school vacations for middle school students in under-resourced educational environments

REFERENCES

- Prof. Se-Young Yun, Associate Professor @ KAIST Email: yunseyoung@kaist.ac.kr
- Prof. Young-Gyu Yoon, Associate Professor @ KAIST Email: ygyoon@kaist.ac.kr
- Prof. Moontae Lee, Head of Superintelligence Lab @ LG AI Research, Assistant Professor @ University of Illinois
Email: moontae.lee@lgresearch.ai
- Dr. Taehyeon Kim, Team lead of Superintelligence Lab @ LG AI Research Email: kimtaehyeon610@gmail.com