

Seungjae Lim

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I'm Seungjae Lim, an M.S. student in the CASYS Lab at KAIST, working at the intersection of research and engineering in machine learning systems. My current focus is on system-level optimization for efficient LLM-based multi-agent serving. I seek opportunities to learn from diverse experiences and continuously evolve in both technical depth and practical impact.

Education

KAIST (Korea Advanced Institute of Science and Technology) M.S. Student in School of Computing Research topic: Efficient Serving of Multi-Agent LLM Systems Advisor: Prof. Youngjin Kwon GPA: 4.1/4.3	Sep '24 – Now
KAIST (Korea Advanced Institute of Science and Technology) B.S. in School of Computing Minor in Electrical Engineering GPA: 3.91/4.3 (major), 3.68/4.3 (cumulative) Graduated as Top 10 Leadership & Volunteer Honoree	Mar '19 – Aug '24

Employment

Research Intern, CASYS KAIST • Research on effective LLM inference systems	Jun '23 – Aug '24
ML Engineering Intern, NAVER CLOVA • Improved delivery simulator with GNNs and embedding techniques • Participated in AutoForecast (auto time-series forecasting) project	Aug '22 – Feb '23

Publications

TTserving: Efficiently Serving Large Language Models with Test-time Search for Inference-time Scaling Sukmin Cho, Seungjae Lim , Sangjin Choi, Hyunsu Ye, Wooseok Gwak, Youngjin Kwon	Under Review
COSPEC: Efficient LLM Serving with Colocated Speculative Decoding Sangjin Choi, Hyunjae Lee, Seungjae Lim , Sukmin Cho, Youngjin Kwon	Under Review
Leveraging LLM-Generated Schema Descriptions for Unanswerable Question Detection in Clinical Data Donghee Han*, Seungjae Lim *, Daeyoung Roh, Sangryul Kim, Sehyun Kim, Mun Yong Yi (*Equal contribution)	COLING 2025

Highlighted Projects

Efficient Multi-Agent LLM System Serving • Solving system-level challenges for fast Multi-Agent LLM serving	Ongoing
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Awards

Excellence Award (2nd Place) @ Elice AI Hellothon • Awarded by Elice • Caregiver cognitive-activity lesson guide creator & elderly interactive AI drawing diary service	2024
Grand Prize (1st Place) @ SPARCS Science Hackathon • Awarded by Daejeon Mayor's • Web-based XR labs for diverse experimental environments	2024

Leadership & Volunteer Excellence Award @ KAIST	2019 - 2024
<ul style="list-style-type: none"> • Awarded by KAIST President • Top 10 among all 24–25 graduates for exceptional leadership and volunteer work (175 hours) 	
Grand Prize (1st Place) @ Social Problem-Solving Volunteer Showcase	2024
<ul style="list-style-type: none"> • Awarded by Gyeonggi-do Governor • Driving engagement via a generative reward system for social volunteering 	
Gold Prize (1st Place) @ ICISTS Hackafair	2024
<ul style="list-style-type: none"> • Awarded by the President of KAIST • RAG-based profanity-filtering B2B platform with customizable policies 	
Best Prize (1st Place) @ Social Problem-Solving Idea Hackathon	2024
<ul style="list-style-type: none"> • Generative volunteer reward system for creating customizable characters 	
Best Prize (3rd) @ K-Data Science Hackathon	2023
<ul style="list-style-type: none"> • Awarded by the Chairman of the National Research Foundation of Korea • Fine-tuned & served distortion-free K-LLM with RAG on Korean history 	
Top 10 @ Elice AI Edu Hackathon	2023
<ul style="list-style-type: none"> • Literacy-promotion app using generative AI with Chain-of-Thought 	
Silver Prize (2nd) @ KAIST-POSTECH-UNIST Data Science Contest	2023
<ul style="list-style-type: none"> • Awarded by ECMiner • Business-owner prediction & pop-up / survey ad planning with Hana 1Q usage data 	
Best Prize (1st) @ Social Problem Solving Volunteer Hackathon	2023
<ul style="list-style-type: none"> • Real-estate listing & brokerage recommendation app for single female-headed households 	
Grand Prize (1st) @ Korea Donation for Education Idea Contest	2021
<ul style="list-style-type: none"> • Awarded by Minister of Science and ICT • Dynamic coding-based fairy-tale platform for English education 	

Teaching Experience

Teaching Assistant, CS206 Data Structure, KAIST	2021 Fall
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Skills

Languages: Korean, English

Programming: Python, C/C++, CUDA, vLLM