

Jaehyun Jang

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SUMMARY

I am a Ph.D. student in the Department of AI Systems at Korea Advanced Institute of Science and Technology (KAIST) and a member of the [Artificial Intelligence & Machine Learning \(U-AIM\) Lab](#), advised by Prof. [Chang D. Yoo](#). My research interests include Multimodal Large Language Models, Agentic AI and Physical AI.

EDUCATION

Sep. 2026 – Present	Korea Advanced Institute of Science and Technology , Daejeon, Korea Ph.D. Student, Department of AI Systems Advisor: Prof. Chang D. Yoo
Sep. 2024 – Aug. 2026	Korea Advanced Institute of Science and Technology , Daejeon, Korea M.S., Electrical Engineering Advisor: Prof. Chang D. Yoo GPA: 3.98 / 4.3
Mar. 2018 – Aug. 2024	Konkuk University , Seoul, Korea B.S., Smart Vehicle Engineering (Summa Cum Laude) GPA: 4.38 / 4.5

RESEARCH EXPERIENCES

SkyAutoNet, Research Intern – Seoul, Korea – BEVFusion model postprocessing for object detection and tracking – Sensor calibration – Risk assessment for self-driving trucks – TCP/IP socket communication	Jun. 2023 – Aug. 2023
AILAB, Research Student – Automotive Intelligence LAB, <i>Prof. Kichun Jo</i> , Hanyang University, Seoul, Korea – Autonomous racing project in the CARLA simulator – Longitudinal and lateral control – LiDAR object detection – Local planning	Jan. 2023 – Feb. 2023

PROJECTS

Development of an AI-Based Shared Decision-Making Support System for Dialysis Modality Selection <i>Seoul National University Bundang Hospital (SNUBH), Korea</i>	Jul. 2025 – Present
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AWARDS AND HONORS

National Science & Technology Scholarships	Korea Student Aid Foundation,	Mar. 2023 – Aug. 2024
	Korea	

PUBLICATIONS

Conference Papers

- [1] **Jaehyun Jang**, Eunseop Yoon, Hee Suk Yoon, SooHwan Eom, Mark A. Hasegawa-Johnson, and Chang D. Yoo. “Token-level Response-visual Attention Guidance for Multimodal LLMs Knowledge Distillation”. In: *The 19th European Conference on Computer Vision*. 2026.
- [2] Hee Suk Yoon, Eunseop Yoon, **Jaehyun Jang**, SooHwan Eom, Hong Ji Woo, Mark A. Hasegawa-Johnson, Qi Dai, Chong Luo, and Chang D. Yoo. “Decomposed On-Policy Distillation for Vision-Language Reasoning: Steering Gradients for Visual Grounding”. In: *Forty-third International Conference on Machine Learning*. 2026. URL: <https://openreview.net/forum?id=Jb1YBPqyb7>.

Preprints

- [1] Eunseop Yoon, Hee Suk Yoon, **Jaehyun Jang**, SooHwan Eom, Qi Dai, Chong Luo, Mark A. Hasegawa-Johnson, and Chang D. Yoo. “PACR: Progressively Ascending Confidence Reward for LLM Reasoning”. arXiv Preprint. 2025. arXiv: [2510.22255](https://arxiv.org/abs/2510.22255) [cs.CL].

Journal Articles

- [1] Hwanhee Kim, **Jaehyun Jang**, Seungmin Cha, Hyeonseo Yun, Donghoon Lee, and Chang D. Yoo. “Action- and Language-Conditioned Video Assessment for Embodied Control”. In: *Sensors* 26.16 (2026). ISSN: 1424-8220. DOI: [10.3390/s26165046](https://doi.org/10.3390/s26165046). URL: <https://www.mdpi.com/1424-8220/26/16/5046>.