

Byeongjin Kang

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Who am I?

I'm a **deeply curious person** with a passion for new knowledge. I love exploring any topic that piques my interest, no matter the field. Rather than sticking to a single path, I enjoy solving problems by **blending diverse knowledge** and finding new ways forward. My ultimate dream is to create an AI that can think and act like a human, even if imperfectly. Sometimes I joke that I'm just a human trying to **reverse-engineer myself**.

Education

Yonsei University <i>Ph.D. Integrated Program in Artificial Intelligence</i>	Mar 2026 – Present <i>Seoul, South Korea</i>
Sungkyunkwan University <i>B.S. in Computer Science and Engineering</i> <i>Magna Cum Laude</i>	Mar 2020 – Feb 2026 <i>Suwon, South Korea</i>

Research Interests

My research focuses on **Robot Learning** and **Perception**, developing AI systems that perceive and understand the real world through spatial reasoning from multimodal sensor data. I aim to create frameworks where perception enables intelligent robotic behavior to solve **complex real-world problems**.

Keywords: Reinforcement Learning, Imitation Learning, Computer Vision, Representation Learning

Experience

Research Intern <i>Korea Electronics Technology Institute (KETI)</i>	Aug 2026 – Present
Undergraduate Research Assistant <i>Yonsei University V-Lab (advised by Prof. Eunbyung Park)</i>	Oct 2025 – Feb 2026
Undergraduate Research Assistant <i>Yonsei University RLLAB (advised by Prof. Youngwoon Lee)</i>	Jan 2025 – Apr 2025
Industry-Academic Research Project <i>SKKU CSILAB (advised by Prof. Yusung Kim)</i>	Jun 2024 – Dec 2024

Projects

Visual Robustness in Imitation Learning

Improved imitation learning robustness under visual perturbations, achieving an 80% success rate in visually noisy environments compared to 10% with the baseline ACT model.

Efficient Long-Text Summarization with Small Language Models

Developed a segmentation-based pipeline for long-text summarization using a 0.5B-parameter language model while maintaining stable generation across long inputs.

Technologies

Programming Languages: C, C++, Java, Python (Pytorch, Numpy)

Languages: Korean, English