Seungho Jang

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Research Interests

My research interests include reasoning and planning in language models and multimodal agents. To this end, I have studied how visual feedback supports iterative reasoning and planning in agentic pipelines such as AgentRVOS and PLAYGROUND.

Education

B.S. **KAIST**, B.S. in Computer Science & Artificial Intelligence – Daejeon, South Korea — Mar 2021 – Aug 2027

New York University, Exchange Student in Computer Science – New York, USA — Aug 2023 – Dec 2023

Experience

KAIST Computer Vision Lab, Research Intern — Sept 2025 – present

Republic of Korea Army, Sergeant — Mar 2024 – Sept 2025

KAIST Concurrency and Parallelism Lab, Research Student — Dec 2023 – Feb 2024

NYU Data Analytics Visualization Team, Research Student — Aug 2023 – Dec 2023

KAIST Computer Architecture and Systems Lab, Research Intern — June 2023 – Aug 2023

Research

AgentRVOS: Reasoning Over Object Tracks for Zero-Shot Referring Video Object Segmentation
Woojeong Jin*, Jaeho Lee*, Heeseong Shin, **Seungho Jang**, Junhwan Heo, Seungryong Kim†
PDF / Project Page / arXiv / GitHub (preprint)

PLAYGROUND: Progressive Layout Generation with Render-Grounded Planning
Jaeho Lee, Junhwan Heo, Junghyun Park, Wonjun Moon, Eunju Yang, **Seungho Jang**, Seongchan Kim, Seungryong Kim†
PDF / Project Page / arXiv / GitHub (preprint)

Ask4NV: Can Learning to Answer Spatial Questions Improve Novel-View Generation?
Jahyeok Koo, Hyeonseo Yu, **Seungho Jang**, Jaewoo Jung, Jiwon Kang, Seokju Cho, Seungryong Kim†
PDF / Project Page / arXiv / GitHub (preprint)

ReAnchor: Reusing Rejected Verifier States for Diffusion Drafting
Sanghyun Lee*, Wonjin Nam*, **Seungho Jang**, Jaeho Lee, Jiho Park, Jaewoon Lee, Seungryong Kim†
PDF / arXiv / GitHub (preprint)

Honors & Awards

Samsung Research Scholarship — Sept 2025 – present
Samsung Research

National Defense Public Data Utilization Competition Grand Prize — Aug 2024
Ministry of National Defense

Google Solution Challenge Global Top 100 — May 2023
Google

National Scholarship for Science and Engineering — Mar 2021 – present
Korea Student Aid Foundation

Extracurricular Activities

Include (KAIST Artificial Intelligence Club), Academic Planning Team — Mar 2026 – present

SPARCS (KAIST Software Engineering Club), Software Engineer & UI/UX Designer — Mar 2023 – Sept 2025

Run (KAIST Data Structure and Algorithms Club), Member — Mar 2023 – Sept 2025

Stroke (KAIST Tennis Club), Training Captain & Coach — Mar 2021 – present