

KIM DONGJIN

Integrated M.S.–Ph.D. in AI · KAIST DAVIAN Lab

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arXiv Scholar



ABOUT

Integrated M.S.–Ph.D. student in the DAVIAN Lab at KAIST AI, advised by Prof. Jaegul Choo. My research centers on Vision-Language-Action (VLA) for robotics, building on earlier work in multi-modal grounding and language grounding (LLM Safety).

CONTACT

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RESEARCH INTERESTS

Vision-Language-Action LLM Safety
Multi-modal Learning Video Understanding
Sound Source Localization

SKILLS & TOOLS

Python PyTorch Transformers
LLMs / RAG Git

EDUCATION

Integrated M.S.–Ph.D. in Artificial Intelligence

KAIST · DAVIAN Lab

📅 2025 – Present

📍 Seongnam, South Korea

Advisor: Prof. Jaegul Choo. Research focus: VLA, LLM Safety, multi-modal learning.

B.S. in Computer Science & Engineering

Kyung Hee University

📅 2019 – 2025

📍 Seoul, South Korea

Undergraduate researcher, Visual AI Lab. Advisor: Prof. Jung Uk Kim. Research focus: Multi-modal learning, Video Understanding, Sound Source Localization.

PUBLICATIONS

*Equal contribution **Bold** = Dongjin Kim

2026

- **3D HAMSTER: Bridging Planning and Control in Hierarchical Vision Language Action Models through 3D Trajectory Guidance**
Dongyoon Hwang*, Byungkun Lee*, **Dongjin Kim***, Hyojin Jang, Hoiyeong Jin, Jueun Mun, Minho Park, Hojoon Lee, Hyunseung Kim, Jaegul Choo
IROS 2026 [project] [arXiv] [code]
- **ExpGuard: LLM Content Moderation in Specialized Domains**
Minseok Choi*, **Dongjin Kim***, Seungbin Yang, Subin Kim, Youngjun Kwak, Juyoung Oh, Jaegul Choo, Jungmin Son
ICLR 2026 [arXiv] [code]
- **LiveWeb-IE: A Benchmark For Online Web Information Extraction**
Seungbin Yang, Jihwan Kim, Jaemin Choi, **Dongjin Kim**, Soyoung Yang, ChaeHun Park, Jaegul Choo
ICLR 2026 [arXiv]

2025

- **Object-aware Sound Source Localization via Audio-Visual Scene Understanding**
Sung Jin Um*, **Dongjin Kim***, Sangmin Lee, Jung Uk Kim
CVPR 2025 [arXiv] [code]
- **Watch Video, Catch Keyword: Context-aware Keyword Attention for Moment Retrieval and Highlight Detection**
Sung Jin Um, **Dongjin Kim**, Sangmin Lee, Jung Uk Kim
AAAI 2025 [arXiv] [code]

2024

- **Learning to Visually Localize Sound Sources from Mixtures without Prior Source Knowledge**
Dongjin Kim*, Sung Jin Um*, Sangmin Lee, Jung Uk Kim
CVPR 2024 [arXiv] [code]

2023

• **Audio-Visual Spatial Integration and Recursive Attention for Robust Sound Source Localization**

Sung Jin Um*, **Dongjin Kim***, Jung Uk Kim

ACM MM 2023 [arXiv] [code]

EXPERIENCE

Graduate Researcher

KAIST AI, DAVIAN Lab

📅 Mar 2025 – Present

📍 Seongnam, South Korea

Research on VLA, LLM Safety, and multi-modal learning.

AI Engineer

LETSUR (AI Startup)

📅 Mar 2024 – Aug 2024

📍 Seoul, South Korea

Developed AI-based services utilizing LLMs and RAG.

AI Research Intern

ETRI (Electronics and Telecommunications Research Institute)

📅 Jan 2024 – Feb 2024

📍 Daejeon, South Korea

Research on Video Moment Retrieval and Highlight Detection.

Undergraduate Researcher

Kyung Hee University, Visual AI Lab

📅 Nov 2022 – Feb 2025

📍 Seoul, South Korea

Supervisor: Prof. Jung Uk Kim. Published 4 papers (CVPRx2, AAAI, ACM MM).

TALKS & PRESENTATIONS

Invited Talk

NexusAI Cohort 2 Final Seminar

📅 2025

📍 Seoul, South Korea

“My Experience of CVPR Acceptance as an Undergraduate and Advice for Graduate School”

Conference Poster

CVPR 2025

📅 Jun 2025

📍 Nashville, TN, USA

Object-aware Sound Source Localization via Audio-Visual Scene Understanding

Conference Poster

CVPR 2024

📅 Jun 2024

📍 Seattle, WA, USA

Learning to Visually Localize Sound Sources from Mixtures without Prior Source Knowledge

Conference Poster

ACM MM 2023

📅 Oct 2023

📍 Ottawa, Canada

Audio-Visual Spatial Integration and Recursive Attention for Robust Sound Source Localization