

Joohyun Chang

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EDUCATION

KAIST M.S. in School of Computing	Daejeon, Republic of Korea Sep. 2025–Present
Kyung Hee University B.S. in Computer Science and Engineering	Yongin, Republic of Korea Mar. 2019–Feb. 2025

EXPERIENCE

Advanced Machine Intelligence Lab, KAIST M.S. Student <i>Advisor: Tae-Hyun Oh</i>	Daejeon, Republic of Korea Jul. 2025–Present
Vision and Learning Lab, Kyung Hee University Undergraduate Research Intern <i>Advisor: Jinwoo Choi</i>	Yongin, Republic of Korea Mar. 2023–Feb. 2025

RESEARCH INTERESTS

- Vision-Language Models and Hallucination Mitigation
- Long context Video QA
- Multi-modal Learning and Representation Alignment

CONFERENCE (INTERNATIONAL)

*: Co-first authorship (equal contribution)
†: Corresponding author

1. (Under Review) **HERO-VQL: Hierarchical, Egocentric and Robust Visual Query Localization**
Joohyun Chang*, Soyeon Hong*, Hyogun Lee*, Dongho Lee, Seong Jong Ha, Seong Tae Kim†, Jinwoo Choi†
The 36th British Machine Vision Conference (BMVC), 2025

JOURNAL (INTERNATIONAL)

1. (Under Review) **CA²ST: Cross-Attention in Audio, Space, and Time for Holistic Video Recognition**
Jongseo Lee*, **Joohyun Chang***, Dongho Lee, Jinwoo Choi†
IEEE Transactions on Pattern Analysis and Machine Intelligence (TPAMI)

CONFERENCE (DOMESTIC)

1. 고차원 단서를 활용한 시공간 매칭 모델링

이효건*, 장주현*, 홍소연*, 하성중, 이동호, 김성태†, 최진우‡

The 37th Workshop on Image Processing and Image Understanding (IPIU), 2025
2. 효과적인 비디오 행동 인식을 위한 오디오-비디오 교차 어텐션

장주현*, 이종서*, 최진우‡

Korea Computer Congress (KCC), 2024
3. Information Exchange for Balanced Spatio-Temporal Understanding in Video Action Recognition

이종서*, 장주현*, 최진우‡

The 36th Workshop on Image Processing and Image Understanding (IPIU), 2024

PROJECTS EXPERIENCE

- Development of Technology for Exploring Areas of Interest Within Videos

Supervision: AI Center, CJ Corporation

Role: Contributing Researcher

July 2024–Feb. 2025

TEACHING EXPERIENCE

- Machine Learning (SWCON25302)

Teaching Assistant at Kyung Hee University

Spring 2024
- Object-Oriented Programming (CSE10301)

Tutor at Kyung Hee University

Fall 2023–Fall 2024

AWARDS AND HONORS

- 우수논문 장려상, IPIU2025

Feb. 2025
- 학부생/주니어논문경진대회 학부생부문 장려상, KCC2024

July 2024
- 안양시 성취장학생, Anyang human resource development foundation

Spring 2024–Fall 2024
- 학부 성적장학금, Kyunghee University

Junior – Senior
- 이민영 동문 장학, Kyunghee University

Mar. 2023–Dec. 2024

SKILLS

- Programming Languages: Python, C/C++, L^AT_EX, R
- AI/ML Frameworks: PyTorch
- MLOps/Tools: Linux, Slurm GPU Cluster

REFEREES

Tae-Hyun Oh, Associate Professor, Ph.D.

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