

Joohyun Chang

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EDUCATION

Korea Advanced Institute of Science and Technology (KAIST) M.S. in School of Computing Advisor: Tae-Hyun Oh	Daejeon, Republic of Korea 2025 – Present
Kyung Hee University B.S. in Computer Science and Engineering	Yongin, Republic of Korea 2019 – 2025

EXPERIENCE

Vision and Learning Lab, Kyung Hee University Undergraduate Research Intern Advisor: Jinwoo Choi	Yongin, Republic of Korea 2023 – 2025
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RESEARCH INTERESTS

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

PUBLICATION (INTERNATIONAL)

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

1. **HERO-VQL: Hierarchical, Egocentric and Robust Visual Query Localization**
Joohyun Chang*, Soyeon Hong*, Hyogun Lee*, Seong Jong Ha, Dongho Lee, Seong Tae Kim†, Jinwoo Choi†
To Appear in *The Thirty Sixth British Machine Vision Conference (BMVC)*, (**Oral** presentation) 2025

JOURNAL (INTERNATIONAL)

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

PROJECTS EXPERIENCE

- **Development of Technology for Exploring Areas of Interest Within Videos** July 2024 – Feb. 2025
Supervision: AI Center, CJ Corporation
Role: Contributing Researcher

TEACHING EXPERIENCE

- **Machine Learning (SWCON25302)** Spring 2024
Teaching Assistant at Kyung Hee University
- **Object-Oriented Programming (CSE10301)** Fall 2023 – Fall 2024
Tutor at Kyung Hee University

AWARDS AND HONORS

- Best Paper Award (Honorable Mention), IPIU2025 2025
- Best Paper Award (Honorable Mention, Undergraduate), KCC2024 2024
- Achievement Scholarship, Anyang City Talent Nurture Foundation 2024
- Academic Merit Scholarship (Full Tuition, 2 times; Half Tuition, 1 time), Kyunghee University Junior – Senior
- Lee Min-young Alumni Scholarship, Kyunghee University 2023 – 2024

SKILLS

- **Programming Languages:** Python, C/C++, \LaTeX , R
- **AI/ML Frameworks:** PyTorch
- **MLOps/Tools:** Linux, Slurm GPU Cluster

REFEREES

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

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