

# Ye-Chan Kim

dpcksdl78@hanyang.ac.kr | <https://766o.github.io/>

 Ye-Chan Kim |  Ye-Chan Kim |

Seoul, South Korea

## RESEARCH INTERESTS

My research focuses on enhancing multimodal understanding and reasoning, particularly by developing robust models for data-constrained environments such as zero-shot or weakly-supervised settings in multi-modal tasks.

- Data-efficient multimodal learning strategy
- Effective methods for utilizing synthetic data
- Modality debiasing

## EDUCATION


- **Hanyang University** Mar. 2025 - Present  
M.S./Ph.D. Integrated Dept. of Artificial Intelligence  
◦ GPA: 4.38/4.50  
Seoul, South Korea
- **Sejong University** Mar. 2019 - Feb. 2025  
B.S. Dept. of Intelligent Mechatronics Engineering  
◦ GPA: 4.17/4.50  
Seoul, South Korea

## PUBLICATIONS

C=CONFERENCE, J=JOURNAL, S=IN SUBMISSION, T=THESIS

- [C.4] **Sali4Vid: Saliency-Aware Video Reweighting and Adaptive Caption Retrieval for Dense Video Captioning.**  
MinJu Jeon, Si-Woo Kim, **Ye-Chan Kim**, HyunGee Kim, Dong-Jin Kim.  
In *International Conference on Empirical Methods in Natural Language Processing (EMNLP)*(long, main) (2025).
- [C.3] **SIDA: Synthetic Image Driven Zero-shot Domain Adaptation.**  
**Ye-Chan Kim**, SeungJu Cha, Si-Woo Kim, Taewhan Kim, and Dong-Jin Kim.  
In *ACM Multimedia (MM)* (2025).
- [C.2] **SynC: Synthetic Image Caption Dataset Refinement with One-to-many Mapping for Zero-shot Image Captioning.**  
Si-Woo Kim, MinJu Jeon, **Ye-Chan Kim**, Soeun Lee, Taewhan Kim, and Dong-Jin Kim.  
In *ACM Multimedia (MM)* (2025).
- [C.1] **VerbDiff: Text-Only Diffusion Models with Enhanced Interaction Awareness.**  
SeungJu Cha, Kwanyoung Lee, **Ye-Chan Kim**, Hyunwoo Oh, and Dong-Jin Kim.  
In *IEEE International Conference on Computer Vision and Pattern Recognition (CVPR)* (2025).

## EXPERIENCE

- **Multimodal AI Lab**  Mar. 2025 - Present  
M.S. & Ph.D. Integrated Student  
Advisor: Dong-Jin Kim
- **Multimodal AI Lab**  Feb. 2024 - Feb. 2025  
Undergraduate Intern  
Advisor: Dong-Jin Kim
- **Sejong RCV Lab**  Jul. 2023 - Sep. 2023  
Undergraduate Research Program  
Advisor: Yukyung Choi

## SKILLS

- **Programming Languages:** Python, C
- **Libraries/Frameworks:** PyTorch, NumPy, Pandas, OpenCV, Matplotlib, Scikit-learn
- **Environment:** Linux

## HONORS AND AWARDS

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- **NRF M.S. Fellowship.** Aug. 2025  
*NRF (National Research Foundation) of Korea / (12M KRW equivalent to 8700 USD)*
- **Best Paper Award, Summer Annual Conference of IEIE 2025.** Jul. 2025  
*Institute of Electronics and Information Engineers*
- **Departmental Scholarship for Academic Excellence (Top 1).** Sep. 2022, Mar. 2023  
*Sejong University / (Total: 6.8M KRW equivalent to 4900 USD)*
- **Departmental Scholarship for Academic Excellence (Top 2).** Feb. 2024  
*Sejong University / (Total: 2.5M KRW equivalent to 1800 USD)*
- **Departmental Scholarship for Academic Excellence (Top 3).** Sep. 2019  
*Sejong University / (Total: 1.7M KRW equivalent to 1220 USD)*

## ADDITIONAL INFORMATION

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**Languages:** English (TOEIC 880)

## REFERENCES

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1. **Dong-Jin Kim**  
Associate Professor, Department of Data Science, Hanyang University  
Multimodal AI Lab  
Email: [djdkim@hanyang.ac.kr](mailto:djdkim@hanyang.ac.kr)  
Relationship: [Academic Advisor.]