Ye-Chan Kim

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in 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 — Seoul, South Korea
  ◦ GPA: 4.38/4.50

- **Sejong University** — *Mar. 2019 - Feb. 2025*
  B.S. Dept. of Intelligent Mechatronics Engineering — Seoul, South Korea
  ◦ GPA: 4.17/4.50

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

- **AI Seoul Tech Graduate Scholarship.** *Nov. 2025*
  Seoul Scholarships Foundation / (5M KRW equivalent to 3400 USD)
- **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

Languages: English (TOEIC 880)

References

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