

Hyung Kyu Kim

Ph.D. Student at Chung-Ang University

E-mail: hyung1208@cau.ac.kr | Site: <https://kimhyungkyu-1208.github.io/HYUNG-KYU-KIM/>

RESEARCH INTERESTS

My research integrates vision, language, and audio through multimodal learning, aiming to build systems that understand and interact with humans. I work on speech-driven 3D facial animation, where phonetic and articulatory cues guide audio-visual generation, and on multimodal large language models (MLLMs) that extend language understanding beyond text. I am now extending this line toward socially-aware systems that reason about human interaction across modalities.

Multimodal LLM (MLLM)

- LLM + Visual/Audio

Cross-modal Learning

- Language + Visual/Audio

Social Artificial Intelligence

- Social Understanding/Reasoning

EDUCATION

Chung-Ang University

- Ph.D. in Imaging Science and Arts
- Advisor: Prof. Hak Gu Kim

Mar. 2025 –
Present

Chung-Ang University

- M.S. in Imaging Science and Arts
- Advisor: Prof. Hak Gu Kim

Mar. 2023 –
Feb. 2025

Konkuk University

- B.S. in Computer Science and Engineering

Mar. 2016 –
Feb. 2023

AWARDS

Excellence Research Award

- 2025 Virtual Convergence Graduate School Symposium

Aug. 2025

Best Paper Award

- 37th Workshop on Image Processing and Image Understanding

Feb. 2025

PUBLICATION

- ArtBoost: Synthetic Articulatory Data Augmentation for Acoustic-to-Articulatory Inversion
Hyung Kyu Kim, Byungchan Hwang, and Hak Gu Kim
[Interspeech 2026 \(Oral\)](#)

2. **MemoryTalker: Personalized Speech-Driven 3D Facial Animation via Audio-Guided Stylization**
Hyung Kyu Kim, Sangmin Lee, and Hak Gu Kim
[*International Conference on Computer Vision \(ICCV\) 2025*](#)
3. **Learning Phonetic Context-Dependent Viseme for Enhancing Speech-Driven 3D Facial Animation**
Hyung Kyu Kim and Hak Gu Kim
[*Interspeech 2025 \(Oral\)*](#)
4. **Analyzing Visible Articulatory Movements in Speech Production for Speech-Driven 3D Facial Animation**
Hyung Kyu Kim, Sangmin Lee and Hak Gu Kim
[*IEEE International Conference on Image Processing \(ICIP\) 2024*](#)
5. **Unveiling the Potential of Multimodal Large Language Models for Scene Text Segmentation via Semantic-Enhanced Features**
Ho Jun Kim*, Hyung Kyu Kim*, Sangmin Lee and Hak Gu Kim (*equal contribution)
[*IEEE International Conference on Image Processing Workshop \(ICIPW\) 2024*](#)

HONORS

Doctoral Excellence Scholarship in Science and Engineering
- National Research Foundation of Korea (NRF)

2026 –
Present