

DAHYEON KYE

Ph.D. Student, Creative Vision and Multimedia Lab (CMLab), Chung-Ang University

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🌐 Homepage

🐙 GitHub

🎓 Google Scholar

🔗 CMLab

Research Experience

GSAIM @ Chung-Ang University (CAU)

Graduate Researcher (M.S. → Ph.D.) (Advisor: Prof. Jihyong Oh)

03.2024 – Present

Seoul, South Korea

- Research on visual generative models, with a focus on image/video generation, editing, restoration, and 3D/4D vision.

INNERVERZ

Research Intern

Summer 2024

Seoul, South Korea

- Research on **video frame interpolation for animation content**.

Education

Ph.D. Student, Chung-Ang University (CAU)

Graduate School of Advanced Imaging Science, Multimedia and Film (GSAIM), CMLab

03.2026 – Present

Seoul, South Korea

M.S., Chung-Ang University (CAU)

Graduate School of Advanced Imaging Science, Multimedia and Film (GSAIM), CMLab

03.2024 – 02.2026

Seoul, South Korea

B.S., Sejong University

Department of Computer Engineering

03.2018 – 02.2023

Seoul, South Korea

Publications

Journal Publications

- **Dahyeon Kye**, Changhyun Roh, Sukhun Ko, Chanho Eom, and Jihyong Oh[†], “AceVFI: A Comprehensive Survey of Advances in Video Frame Interpolation,” **IEEE Transactions on Circuits and Systems for Video Technology (TCSVT)**, 2026. 📄 🐙

Conference & Workshop Publications

- **Dahyeon Kye**^{*}, Jeahun Sung^{*}, Minkyu Jeon, and Jihyong Oh[†], “CHIMERA: Adaptive Cache Injection and Semantic Anchor Prompting for Zero-shot Image Morphing with Morphing-oriented Metrics,” **ECCV 2026 MUCG Workshop (non-archival)**; arXiv:2512.07155. 📄
- Sukhun Ko, Seokhyun Youn, **Dahyeon Kye**, Kyle Min, Chanho Eom, and Jihyong Oh[†], “FLAIR: Frequency- and Locality-Aware Implicit Neural Representations,” **CVPR 2026 Findings**. 📄 🏠

Preprints / Under Review

- Jeahun Sung^{*}, **Dahyeon Kye**^{*}, Soo Ye Kim[†], and Jihyong Oh[†], “RefGC-SR²: Reference-guided Super-Resolution and Refinement of AI Generated Content,” arXiv:2606.15158. 📄 🏠
- Seokhyun Youn, **Dahyeon Kye**, Sung-Ho Bae[†], and Jihyong Oh[†], “Self-Geometry: GT-Free and Plug-and-Play Test-Time Adaptation for Geometrically Consistent 3D Vision Foundation Models,” arXiv:2608.10708. 📄 🏠

^{*} Equal contribution. [†] Corresponding author.

Research Interests

Generative AI: Diffusion Models / Image and Video Generation / Image Editing / World Models

3D/4D Vision: 3D/4D Generation / Novel View Synthesis / Neural Rendering / Camera-Controlled Generation

Teaching Experience

Teaching Assistant: Discrete Mathematics, Chung-Ang University, 2024

Technical Skills

Programming Languages: Python / C / C++ / Bash

Frameworks & Libraries: PyTorch / CUDA

Tools: Git / Docker / Linux