

Joohyun Kwon

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Education

- Korea University**, Seoul, Korea Mar. 2026 – Present
M.S./Ph.D. Candidate in Computer Science and Engineering
◦ advised by Prof. Gyeongsik Moon
- DGIST**, Daegu, Korea Mar. 2020 – Feb. 2026
Senior, School of Computer Science
◦ GPA: 4.11/4.3 (*Summa Cum Laude*)

Research Interests

Human-centric Computer Vision, Generative Models

Experiences

- Omnious** Jun. 2025 – Aug. 2025
Research Intern
- KAIST Visual AI Group** Dec. 2024 – Feb. 2025
Undergrad Research Intern
- KAIST Statistical Inference & Information Theory Lab** Jan. 2024 – Nov. 2024
Undergrad Research Intern (Remote)
- Military Service** Apr. 2021 – Oct. 2022
Republic of Korea Army

Publications

- Zero-Shot Reconstruction of Animatable 3D Avatars with Cloth Dynamics from a Single Image** Feb. 2026
Joohyun Kwon, Geonhee Sim, Gyeongsik Moon
CVPR 2026
- Instruct-4DGS: Efficient Dynamic Scene Editing via 4D Gaussian-based Static-Dynamic Separation** Feb. 2025
Joohyun Kwon, Hanbyel Cho, Junmo Kim
CVPR 2025

Projects

- F&B Short-Form Generation using Video Diffusion Model**
- Implemented a platform for generating food advertisement short-form using a video diffusion model API
 - Tools Used: Kling AI API, Flutter, AWS

Honors

- Grand Prize (Minister of Science and ICT Award)** Sep. 2025
Institute of Science and Technology (IST) Startup Competition, Korea
- UGRP(Undergraduate Group Research Program) Best Research Award** Jan. 2025
DGIST, Daegu, Korea

Grand Prize (Minister of Science and ICT Award)
K-HACKATHON 12, Seoul, Korea

Oct. 2024

Skills

Languages: Korean (Native), English (Fluent)

Programming Languages: C++, Python, JavaScript