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 (Expected graduation, Feb. 2026)
  ○ GPA: 4.12/4.3

Research Interests

World Models, Human-centric Computer Vision, Computer Graphics, Generative Models

Experiences

Research Intern   Jun. 2025 – Aug. 2025
Omnious, Seoul, Korea

Undergrad Research Intern *KAIST Visual AI Group, Daejeon, Korea*   Dec. 2024 – Feb. 2025
  ○ advised by Prof. Minhyuk Sung

Undergrad Research Intern (Remote)   Jan. 2024 – Nov. 2024
Statistical Inference & Information Theory (SIIT) Lab, Daejeon, Korea

Military Service *Republic of Korea Army*   Apr. 2021 – Oct. 2022

Publications

Zero-Shot Reconstruction of Animatable 3D Avatars with Cloth Dynamics from a Single Image   Feb. 2026
Joohyun Kwon, Geonhee Sim, Gyeongsik Moon
under review at 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

Automatic F&B Short-Form Generation using Video Diffusion Model   *apps.apple.com/kr/app/* ↗
  ○ Implemented a platform for generating food advertisement short-form using a video diffusion model API
  ○ Tools Used: Luma AI API, Flutter, Firebase, AWS

Honors

UGRP(Undergraduate Group Research Program) Best Research Award   Jan. 2025
DGIST, Daegu, Korea

Grand Prize (Minister of Science and ICT Award)   Oct. 2024
K-HACKATHON 12, Seoul, Korea

Skills

Languages: Korean (Native), English (Fluent)

Programming Languages: C++, Python, JavaScript