Jiyong Choi

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Undergraduate Student, Dept. of Applied AI, Hansung University

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Interests

- Generative AI
- Computer Vision

Experience

- **Visual Intelligence Lab.**
  Undergraduate Intern, Advisor: Heeseok Oh, Sep. 2026 – Present
- **Futurex, AI Business Division**
  R&D Intern, Bin-Picking Vision, Nov. 2026 – Present

Honors & Awards

- **1st Place**, Synthetic Microstructure Property Prediction AI Competition, DAKER·DACON, 2026
- **3rd Place**, Landslide Scar Detection, 2026 National Park AI Challenge, AIFactory, 2026
- **3rd Place**, Dead Conifer Detection, 2026 National Park AI Challenge, AIFactory, 2026
- **3rd Place** (3/1,087), LG Aimers 9th Online Hackathon, DACON, 2026

Publications

- **An Integrated Scan-to-CAD Pipeline for RGB Image-Based S²-2DGS 3D Reconstruction and CAD Registration**
  S. Seo, J. Park*, J. Choi, and H. Oh (Corr.)*
  *IEIE, Accepted, 2026 (*Equal contribution)*

Projects

- **A Study on the Reasoning Emergence and Test-Time Scaling in Small Vision-Language Model Comprehension and Generation via Reinforcement Learning with Perceptual Reward**
  NRF, 2026-2028
- **Multi-Pipeline 3D Reconstruction and Scan-to-CAD Registration System**
  Hansung Univ.·KIST AI·SW Industry-Academic Collaboration Project, Apr.–Jul. 2026
- **Industry-Linked Capstone Design Project**
  Hansung Univ.·LemonCloud Capstone Design, Sep. 2026 – Present
- **Hanjari: Bus Boarding Probability Service**
  Hansung Univ. Open-Source AI·SW Convergence Project, Sep. 2026 – Present
  Role: AI & Data (data collection and modeling pipeline)