JUNSU KIM

Curriculum Vitae

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Education

Korea Advanced Institute of Science and Technology (KAIST)   Daejeon, South Korea
B.S. in Electrical Engineering   Mar 2021 – *Expected Aug 2027*
  GPA: 4.1/4.3 (Major GPA: 4.19/4.3)

Nanyang Technological University (NTU)   Singapore
Exchange Student   Jan 2026 – May 2026
School of Electrical and Electronic Engineering

Experiences

S-Lab (MMLab), NTU   Jan 2026 – Present
Research Intern (Advisor: Prof. Ziwei Liu, NTU)

- Conducting research on 4D world modeling for embodied AI, integrating multi-view visual perception with video diffusion models and 3D scene representations

Computer Vision Lab (CVLAB), KAIST AI   Jun 2025 – Dec 2025
Research Intern (Advisor: Prof. Seungryong Kim, KAIST AI)

- Conducting research on 3D Vision: multi-view scene reconstruction pipelines integrating Gaussian Splatting and transformer-based depth estimation (VGGT / NoPoSplat)

Video and Image Computing Lab (VICLAB), KAIST   Dec 2024 – Jun 2025
Research Intern (Advisor: Prof. Mun Churl Kim, KAIST EE)

- Reviewed object detection models (RCNN–YOLO, ViT)
- Implemented baseline detectors for few-shot and anomaly detection tasks

Publications

- **Learning Compact 3D Representations from Feed-Forward Novel View Synthesis**.
  [Project Page] [Paper].
  Honggyu An*, Jaewoo Jung*, … , Hyunah Ko, **Junsu Kim**, … , Seungryong Kim.
  CVPR 2026 (under review).

*Equal contribution.

Projects

FaceVerify-AM: Face Verification with AM-Softmax (EE.40034, KAIST) [GitHub]

- Two-stage metric-learning pipeline for face verification using ResNet-18 and AM-Softmax

- Scratch training → fine-tuning structured training design
- Ablation on loss, optimizer, LR scheduler, and augmentation strategies
- Achieved **8.02% EER** (baseline: 22.31%)

Honors

KAIST **Presidential Fellowship** (15th)	Feb 2025 – Present
KAIST EE, **Dean's List Award**	Spring 2024

Awarded to the top 3% of all EE students

KAIST, **Freshman Dean's List Award**   Fall 2021

Awarded to the top 3% of all freshman students

Woon Hae Scholarship (12nd)	Feb 2025 – Dec 2025
National Science & Engineering Scholarship for Academic Excellence	Aug 2025 – Present
KAIST Shared Lives Award (Top-ranked Recipient)	Feb 2026

For exceptional and sustained blood donation service (20 donations in one year)

Activities

KAIST AI Studying Club (Include)	Sep 2024 – Dec 2025
Google Student Ambassador	Sep 2025 – Dec 2025

Promoted Gemini Pro to KAIST students via short-form video content

Young Engineers Honor Society (YEHS)	Jan 2025 – Present
KAIST International Volunteer Club (SilverLining)	Mar 2025 – Dec 2025
KAIST Freshman Proctor	Feb 2024 – Dec 2024
KAIST Freshman Tutoring Program (Calculus I)	Mar 2022 – Jun 2022
EERun (KAIST EE Running Club), President	Sep 2024 – Dec 2025

Led a student running club by organizing weekly training sessions and semester events

Other Extracurriculars: Orchestra, Sports, Student Clubs

Skills

Programming: C/C++, Python, PyTorch
English: TOEFL 101