Inseok Kong

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Objective

A researcher specializing in 3D computer vision. My primary objective is to develop robust 3D vision models and apply them to address practical, real-world challenges.

Experience

- **Robotics and Computer Vision Lab** *Jul 2025 - Present*
  Undergraduate Research Student (Advisor: Prof. Jiyoung Jung) Seoul, South Korea
  - Proposed a novel test-time adaptation framework that leverages masked multi-view point clouds to enable efficient and robust single-step adaptation.
  - Formulated a distribution-aware adaptation method for 3D vision-language models, utilizing class-conditional Gaussian modeling to improve robustness under corruptions.
  - Designed an input-level adversarial defense generating point-wise counter-perturbations to neutralize attacks and enhance overall model transferability.

Education

- **University of Seoul** *Mar 2022 - Present*
  B.S. in Geo-Informatics; Double Major in Artificial Intelligence Seoul, South Korea
  - Major: Geo-Informatics (Mar 2022 – Present)
  - Double Major: Artificial Intelligence (Sep 2025 – Present)
  - GPA: 3.77/4.50

Projects

- **Sportier (UOS Entrepreneurship Club)** *Mar 2025 – Jul 2025*
  Tools: JavaScript, React JS
  - Developed a sports communication application.
  - Implemented a location-based matching system to connect local sports enthusiasts.
  - Designed and integrated a competitive tier classification system for user rankings.
  - Led the project as the president of the entrepreneurship club, overseeing team collaboration and overall development.

Patents and Publications

C=Conference, J=Journal, P=Patent, S=In Submission, T=Thesis

[C.1] Geunyoung Jung, Soohong Kim, **Inseok Kong**, and Jiyoung Jung (2026). **APC: Transferable and Efficient Adversarial Point Counterattack for Robust 3D Point Cloud Recognition**. In *IEEE/CVF Conference on Computer Vision and Pattern Recognition Findings (CVPR Findings)*.

[C.2] **Inseok Kong**, Geunyoung Jung, and Jiyoung Jung (2026). **MAMVI: 3D Test-Time Adaptation via Masked Multi-View Point Clouds**. In *International Conference on Pattern Recognition (ICPR)*.

[S.1] Geunyoung Jung, **Inseok Kong**, and Jiyoung Jung (2026). **DIRECT: Distribution-aware Representation Regularization for 3D Test-Time Adaptation under Corruptions**. Under Review.

Skills

- **Programming Languages:** Python
- **Database Systems:** SQL

Honors and Awards

- **Grand Prize Award** *Oct 2025*
  Seoul Metropolitan Government Big Data Campus Competition
  - Conducted location analysis for autonomous village bus routes in Seoul.
- **Encouragement Award** *Aug 2025*
  AI Convergence Problem Discovery Industry-Academia-Research Hackathon (AICOSS)
  - Generated a storybook utilizing Diffusion models and LLMs.
- **Dean's Award of the College of Engineering** *Jan 2025*
  Industry-Academia Collaborative Deep Learning Winter Bootcamp (AICOSS)
  - Performed image classification utilizing 2D domain Vision Transformer (ViT).

Volunteer Experience

- **KB Raschool 3rd Generation Mentor** *Mar 2025 – Feb 2026*
  Samsung Sori-Saem Welfare Center
  - Provided mathematics mentoring tailored for hearing-impaired students.
  - Conducted academic and high school entrance counseling for 9th-grade students.
- **Seoul Donghaeng Project Mentor** *Sep 2024 – Dec 2024*
  Manna Regional Children's Center
  - Provided mathematics mentoring for students from multicultural backgrounds.
  - Conducted academic and high school entrance counseling for 8th-grade students.

Certifications

- **SQL Developer (SQLD)**, Korea Data Agency (K-DATA) *Dec 2024*
- **Advanced Data Analytics Semi-Professional (ADsP)**, Korea Data Agency (K-DATA) *Nov 2024*

Additional Information

Languages: English (TOEIC 835) Aug 2022 (Expired)
Interests: F1, Piano, Pop Music

Last updated: April 27, 2026