Dogun Kim

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EDUCATION

Mar. 2024 ~ Present	**University of Seoul** Department of Artificial Intelligence *Bachelor Student* GPA: 4.31 / 4.5	Seoul, Korea

RESEARCH INTERESTS

- End to End Autonomous Driving
- Vision Language Action Model (VLA)
- Computer Vision
- Motion & Path Planning

RESEARCH EXPERIENCES

- Research Student at Department of Artificial Intelligence, University of Seoul, Robotics and Computer Vision Lab, Korea (Sep. 2024 ~ Jun. 2025)

- Research Intern at AI·로봇 연구소 휴머노이드 연구단, Korea Institute of Science and Technology (KIST), Korea (Jun. 2025 ~ Present)

AWARDS AND HONORS

- Presidential Award, Deep Learning Winter Competition, University of Seoul , Korea (Jan. 2025)

- Chairman's Award, The 4th International University Students Autonomous EV Driving Competition, International e-Mobility Expo, Global EV Association Network, Korea (Jul. 2025)

- Creativity Award, K-Data Science Hackathon, Korea (Nov. 2024)

- Excellence Award, Korea University Student Automobile Research Forum, Korea (Feb. 2025)

PUBLICATIONS

1. Hankyeol Lee, Kyounggyu Lee, Gawon Seo, **Dogun Kim**, Kyungwoo Song, Jiyoung Jung, "Generating Accurate and Detailed Captions for High-Resolution Images", WACV 2026 *(submitted)*

PROJECTS

- Optimizing Public Bus Parking Locations in Chuncheon Using Data-Driven Analysis, 2024 Chuncheon City Public Data Utilization Idea Competition, Korea (Mar. 2024 ~ Jul. 2024)

- Multi-Modal Learning for Autonomous Driving with Nighttime Data Augmentation (Creativity Award Winner), K-DS Hackathon, K-Data Science Consortium, Korea (Nov. 2024 ~ Nov. 2024)

- Real-Time Open-Vocabulary Object Detection for Safety and Security Applications, Intelligent Robotics Course, University of Seoul, Dept. of AI, Korea (Sep. 2024 ~ Dec. 2024)

- Fine-Grained Classification Competition (Presidential Award Winner), Deep Learning Winter Competition, AICOSS, University of Seoul, Korea (Jan. 2025 ~ Jan. 2025)

- Adversarial Attack (Jailbreak) on Large Vision Language Models for Autonomous Driving, Reliable and Trustworthy AI Course, University of Seoul, Dept. of AI, Korea (Mar. 2025 ~ Jun. 2025)

- Developing an Autonomous Driving System for EVs (Chairman's Award Winner), The 4th International University Students Autonomous EV Driving Competition, International e-Mobility Expo, Korea (Mar. 2025 ~ Jul. 2025)

SKILLS

- Programming : Python, Java
- Machine Learning : Pytorch, Skicit-learn
- Robotics : ROS, CARLA Simulator, Issac Sim

EXTRACURRICULAR ACTIVITY

- Hyundai-Mobility Class: Autonomous Driving Track - Perception Field (2025)
- Hyundai-Mobility Class: Autonomous Driving Track - Decision-making Field (2025)
- Korea University Student Automobile Research Forum (KUSARF) (Aug. 2024 – Present)