DAEUN LEE

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RESEARCH INTERESTS

- **Reliability of Multimodal LLMs** : OOD Generalization, Evaluation Metrics for Faithfulness
- **Video Generation/Understanding**
- **Embodied AI**: Perception in Robot Learning, Autonomous Driving

EDUCATION

The University of North Carolina at Chapel Hill   NC, United States
Ph.D. Computer Science (Advisor: Mohit Bansal)   *Aug. 2024 —*
- Research Assistant fellowship

Korea University   Seoul, South Korea
B.E. Department of Statistics   *Mar. 2019 — Feb. 2024*
- Special scholarship for outstanding students

PUBLICATIONS

[P2] VideoRepair: Improving Text-to-Video Generation via Misalignment Evaluation and Localized Refinement
[Daeun Lee](), Jaehong Yoon, Jaemin Cho, Mohit Bansal.
Preprint (CVPR 2025 Under review)

[C4] BECoTTA: Input-dependent Online Blending of Experts for Continual Test-Time Adaptation
[Daeun Lee]()*, Jaehong Yoon*, Sung Ju Hwang.
International Conference on Machine Learning (ICML), 2024

[C3] HD Maps are Lane Detection Generalizers: A Novel Generative Framework for Single-Source Domain Generalization
[Daeun Lee](), Minhyeok Heo, Jiwon Kim.
CVPR Data-Driven Autonomous Driving Simulation Workshop (CVPRW), 2024

[C2] Resolving Class Imbalance for LiDAR-based Object Detector by Dynamic Weight Average and Contextual Ground Truth Sampling
[Daeun Lee](), Jinkyu Kim.
IEEE/CVF Winter Conference on Applications of Computer Vision (WACV), 2023

[C1] Bridging the Domain Gap towards Generalization in Automatic Colorization
Hyejin Lee, Daehee Kim, [Daeun Lee](), Jinkyu Kim and Jaekoo Lee.
European Conference on Computer Vision (ECCV), 2022

[P1] Trajectory Prediction by Clustering Human Interactions at Multiple Scales
Chiho Choi*, [Daeun Lee]()*, Srikanth Malla, Sangjae Bae, Jinkyu Kim.
Preprint

ACADEMIC SERVICES

Reviewer
- CVPR 2022-2025, ECCV/ICCV 2022-2024, AAAI 2025, ACL 2025

Invited Talks
- Jan 2025. Cisco. *'Reliable Text-to-Video Generation (Review of VideoRepair [P2])'*

RESEARCH EXPERIENCES

UNC Chapel Hill   NC, United States
Grduate Research Assistant (Supervisor: Mohit Bansal)   *Aug.2024 — Current*

KAIST   Seoul, South Korea
Research Intern / Contract Researcher (Supervisor: Sung Ju Hwang)   *Mar.2023 — Aug.2024*

NAVER LABS   Jungja, South Korea
Research Intern (Mentor: Minheok Heo)   *Jul.2022 — Dec.2022*

KOREA UNIVERSITY   Seoul, South Korea
Research Intern (Supervisor: Jinkyu Kim)   *Jul.2021 — Dec.2022*

AWARDS & HONORS

Travel Grant from ICML2024 Area Chair   *Jun.2024*

Digital Innovation Big Data Contest   *May.2021*
2nd place, Korea Enterprise Data Corp.(KED)

ICT Autonomous Driving Project   *Dec.2020*
5st place, The Federation of Korean Information Industries

Financial Big Data Festival   *Dec.2020*
1st place, MiraeAsset.Corp

Kakao Arena Competition   *May.2020*
Top 2%, Kakao.Corp

ADDITIONAL INFORMATION

Programming Ability: Python, C, Matlab, Git, PyTorch, Tensorflow, Linux, LaTeX, R, SAS
Language Ability: Fluent in both Korean and English, Beginner in Chinese