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] Improving Lane Detection Generalization: A Novel Framework using HD Maps for Diversity
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