

DAEUN LEE

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🔗 daeunni.github.io

♥ RESEARCH INTERESTS

- [Embodied AI/Agents](#)
- [Out-of-Domain Generalization/Adaptation](#)
- [Video Understanding](#)

🏠 EDUCATION

The University of North Carolina at Chapel Hill

Ph.D. Computer Science (Advisor: Mohit Bansal)

NC, United States

Aug. 2024 —

Korea University

B.E. Department of Statistics

Seoul, South Korea

Mar. 2019 — Feb. 2024

- Special scholarship for outstanding students (2021-2023)

📖 PUBLICATIONS

[P2] **VideoRepair: Improving Text-to-Video Generation via Misalignment Evaluation and Localized Refinement**

[Daeun Lee](#), Jaehong Yoon, Jaemin Cho, Mohit Bansal.

Preprint

[P3] **Video-Skill-CoT: Skill-based Chain-of-Thoughts for Domain-Adaptive Video Reasoning**

[Daeun Lee*](#), Jaehong Yoon*, Jaemin Cho, Mohit Bansal.

Empirical Methods in Natural Language Processing (EMNLP) Findings, 2025.

[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

RESEARCH EXPERIENCES

Adobe

Research Intern (Mentor: Subhojyoti Mukherjee)

CA, United States

May.2025 — Current

UNC Chapel Hill

Research Assistant (Advisor: Mohit Bansal)

NC, United States

Aug.2024 — Current

KAIST

Research Intern / Contract Researcher (Advisor: Sung Ju Hwang)

Seoul, South Korea

Mar.2023 — Aug.2024

Naver Labs

Research Intern (Mentor: Minheok Heo)

Jungja, South Korea

Jul.2022 — Dec.2022

Korea University

Research Intern (Advisor: Jinkyu Kim)

Seoul, South Korea

Jul.2021 — Dec.2022

ACADEMIC SERVICES

Reviewer

- CVPR 2022-2025, ECCV/ICCV 2022-2024, AAAI 2025, NeurIPS 2025, ARR 2025

Invited Talks

- Jan 2025. Cisco. ‘Reliable Text-to-Video Generation’

AWARDS/HONORS

Travel Grant from ICML 2024 Area Chair

Jun.2024

Digital Innovation Big Data Contest

May.2021

2nd place, Korea Enterprise Data Corp.(KED)

ICT Autonomous Driving Project

Dec.2020

5th 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

SKILLS

Programming Ability: Python, C, Matlab, Git, PyTorch, Tensorflow, Linux, LaTeX, R, SAS

Language Ability: Fluent in both Korean and English, Beginner in Chinese

REFERENCES

- Mohit Bansal Professor at UNC Chapel Hill ✉ mbansal@cs.unc.edu
- Jinkyu Kim Professor at Korea University ✉ jinkyukim@korea.ac.kr
- Jaehong Yoon Postdoctoral research associate, UNC Chapel Hill ✉ jhyoon@cs.unc.edu
- Sungju Hwang Professor at KAIST ✉ sjhwang82@kaist.ac.kr
- Yousung Park Emeritus professor at Korea University ✉ yspark433@gmail.com