

# DAEUN LEE

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## ♥ RESEARCH INTERESTS

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

## 🎓 EDUCATION

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**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

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

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

*Preprint*

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

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

*Preprint*

[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

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### 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

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### 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

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### 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

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

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

## REFERENCES

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