

# DAEUN LEE

✉ [daeun@cs.unc.edu](mailto:daeun@cs.unc.edu)  [linkedin.com/daeunlee00](https://linkedin.com/daeunlee00)  [daeunni.github.io](https://daeunni.github.io)

## RESEARCH INTERESTS

---

- **Faithfulness**: OOD Generalization, Evaluation Metrics for Generation
- **Self-Evolving/Correcting Models**: Model-Guided Verification, RLHF
- **Video Generation/Understanding**

## EDUCATION

---

### The University of North Carolina at Chapel Hill

NC, United States

*PhD student. Computer Science (Advisor: Mohit Bansal)*

*Aug. 2024 —*

- Research Assistant Fellowship

### Korea University

Seoul, South Korea

*B.E. Department of Statistics (GPA: 4.0/4.5, Major GPA: 4.0/4.5)*

*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*

### [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

- *IEEE/CVF Conference on Computer Vision and Pattern Recognition (CVPR)*, 2022, 2024, 2025
- *European Conference on Computer Vision (ECCV)*, 2022, 2024

## RESEARCH EXPERIENCES

---

### UNC Chapel Hill

Graduate Research Assistant (Supervisor: Mohit Bansal)

- Researched Video Generation with Faithfulness. [P2]

NC, United States

Aug.2024 — Current

### KAIST

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

- Created a Mixture-of-Domain-Adapter architecture for the robust Continual Test-time Adaptation in the real-world driving scenarios. [C4]

Seoul, South Korea

Mar.2023 — Aug.2024

### NAVER LABS

Research Intern (Mentor: Minheok Heo)

- Dived into domain shifts in lane detection and built a novel single-source domain generalization framework using in-house HD maps. [C3]

Jungja, South Korea

Jul.2022 — Dec.2022

### KOREA UNIVERSITY

Research Intern (Supervisor: Jinkyu Kim)

- Developed perception models related to self-driving(e.g. Trajectory Prediction, LiDAR 3D Object Detection)
- Collaborated with Honda Research, NAVER Cloud and Hyundai Motors.[C2, C1, P1]

Seoul, South Korea

Jul.2021 — Dec.2022

## AWARDS & HONORS

---

### Travel Grant from ICML2024 Area Chair

June.2024

### Digital Innovation Big Data Contest

2nd place

- Developed a multi-classification model designed to categorize the primary purpose of the business in response to a prompt aimed at establishing a company and presented in front of 50+ people about the business usage of these models.

May.2021

Korea Enterprise Data Corp.(KED)

### ICT Autonomous Driving Project

5st place

- Took a front-view video on a driving car, obtained 500+ images, annotated them, and trained a segmentation model.

Dec.2020

The Federation of Korean Information Industries

### Financial Big Data Festival

1st place

- Built with ExtraTree + KNN a multi-classification model that classifies insurance claims purposes using in-house data from MiraeAsset and presented in front of 200+ people about the business usage of these models.

Dec.2020

MiraeAsset.Corp

### Kakao Arena Competition

Top 2%

- Developed a model using Collaborative Filtering(CF) + KNN to recommend appropriate songs and tags to be included in each playlist.

May.2020

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