

# CHEHUN HAN

chehunhan16@gmail.com | (+82)01039755708 | [GitHub](#) | [LinkedIn](#)

## EDUCATION

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### Ewha Womans University

B.S. in Artificial Intelligence

Seoul, South Korea

03/2023 - Present

## WORK EXPERIENCE

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### Research Intern

[Computer Graphics Lab @POSTECH](#)

- Advisor: [Prof. Seungyong Lee](#)

Pohang, South Korea

06/2026 - Present

### Research Intern

[IRCV Lab @Hanyang University](#)

- Advisor: [Prof. Soonmin Hwang](#)

- Thesis: End-to-End autonomous driving, driving-scene 3D Gaussian Splatting, and multi-sensor dataset construction

Seoul, South Korea

01/2026 - 03/2026

### Research Intern

[Computer Graphics Lab @POSTECH](#)

- Advisor: [Prof. Seungyong Lee](#)

- Thesis: Geometry-Aware Regularization for Enhanced 3D Gaussian Splatting

Pohang, South Korea

06/2025 - 08/2025

### Research Intern

[PAI Lab @Ewha Womans University](#)

- Advisor: [Prof. Junhyug Noh](#)

- Thesis: Gait Re-Identification based on IMU data

Seoul, South Korea

03/2024 - 01/2025

## PUBLICATIONS

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- Sumin Lee, Dohyun Lim, **Chehun Han**, \*Soonmin Hwang, "Chameleon Splatting: Temporal Appearance Modeling for Driving-Scene Gaussian Splatting", ECCV 2026 Submission. [\[Paper\]](#) [\[Code\]](#)
- Dayeon Woo, Eunseo Seo, **Chehun Han**, Yeonkyung Lee, Changgyun Jin, "Developing a Model for Improving 3D Gaussian Splatting Performance Based on DBSCAN", IEIE 2024. [\[Paper\]](#) [\[Code\]](#)

## RESEARCH EXPERIENCES

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### End-to-End Autonomous Driving using Inter-Module Knowledge Distillation

[HYU IRCV Lab & RideFlux](#)

- Investigating inter-module knowledge distillation to improve planning performance of end-to-end autonomous driving models under limited computational resources.
- Role: Teacher model selection, experiment design in collaboration with team members.

01/2026 - 03/2026

### Data Machine Project

[HYU IRCV Lab](#)

- Construction of a multi-modal autonomous driving dataset using LiDAR, radar, and cameras.
- Role: Responsible for radar-related tasks.

01/2026 - 03/2026

### Novel View Pose Synthesis with Geometry-Aware Regularization for Enhanced 3DGS

[POSTECH Computer Graphics Lab](#)

- Improved the quality of 3D reconstruction using 3D Gaussian Splatting (3DGS) with Polycam by generating novel view camera poses and applying normal/depth consistency losses, resulting in more accurate geometry, enhanced multi-view consistency, and reduced artifacts.
- Role: Responsible for all stages of the project under the guidance of a senior researcher.
- [\[Project Page\]](#)

06/2025 - 08/2025

## Implementation of Autonomous Driving Car

11/2024 - 02/2025

[deepdaiv](#).

- Developed an end-to-end autonomous driving system that integrates object detection, lane recognition, and depth estimation to generate occupancy maps, plans paths using the A\* algorithm, and executes control for full perception-planning-control automation.
- Role: Object detection, lane detection, system integration, seminar presentation
- [\[Project Page\]](#)

## 3DGS Memory Optimization

05/2024 - 08/2024

[deepdaiv](#).

- A project focused on addressing the high memory usage problem of 3D Gaussian Splatting by developing a new model.
- Role: Optimization architecture design

## AWARDS AND HONORS

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### Excellence Award (2<sup>nd</sup> Prize), AI Idea Competition

12/2023

Ewha Womans University, Department of AI

- Proposed a multimodal program for diagnosing depression using facial and voice data, smartphone sensors, and usage logs.

## SKILLS

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- Programming: Python, C++, C, Bash
- Machine Learning / Vision: PyTorch, NumPy, Pandas, OpenCV, Open3D
- Robotics / Systems: ROS2, Jetson Linux, Ubuntu
- Tools: Git, Docker, Conda, LaTeX