

# Chehun Han

2002.12.16

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## EDUCATION

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**Ewha Womans University**  
B.S in Artificial Intelligence

**Mar. 2023 ~ Feb. 2027**

## RESEARCH INTERESTS

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- Autonomous Driving
- 3D Reconstruction

## WORK EXPERIENCE

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### Research Intern

**[PAI Lab](#) @EWA**

**Mar. 2024 ~ Jan. 2025**

Advisor: [Prof. Junhyug Noh](#)

Thesis: Gait Re-Identification based on IMU data

**[Computer Graphics Lab](#) @POSTECH**

**Jun. 2025 ~ Aug. 2025**

Advisor: [Prof. Seungyong Lee](#)

Thesis: Improving the quality of indoor 3D Reconstruction based on 3DGS

## PUBLICATIONS

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1. Dayeon Woo<sup>‡1</sup>, Eunseo Seo<sup>‡2</sup>, Chehun Han<sup>‡3</sup>, Yeonkyung Lee<sup>‡4</sup>, \* Changgyun Jin<sup>5</sup>, “*Developing a Model for Improving 3D Gaussian Splatting Performance Based on DBSCAN*”, IEIE 2024, Nov. 2024.

<sup>‡</sup>: Equal Contribution

## RESEARCH EXPERIENCES

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### Converting dialect speech to standard speech

**Feb. 2024 ~ Apr. 2024**

Developed a speech conversion system that transforms dialect speech into standard language using STT, translation, and TTS.

### 3DGS Diet

**May. 2024 ~ Jul. 2024**

A project focused on addressing the high memory usage problem of 3D Gaussian Splatting by developing a new model.

### Implementation of Autonomous Driving Car

**Nov. 2024 ~ Jan. 2025**

A project integrating object detection, lane recognition, depth estimation, and driving algorithms to implement an autonomous driving car.

Role: object detection, lane detection, system integration.

## AWARDS AND HONORS

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### **Excellence Award (2<sup>nd</sup> Prize), Idea Competition in Ewha Womans University, Department of AI Dec. 2023**

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

## SKILLS AND TECHNIQUES

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- Languages: Python, C, Java, JavaScript, HTML
- Technologies: Pytorch, Numpy, Pandas, Flask
- Tools: Git, Conda, Docker
- OS: Ubuntu, Jetson, mac
- Others: Github