

Chahun Han

2002.12.16

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EDUCATION

Ewha Womans University
B.S in Artificial Intelligence

Mar. 2023 ~ Feb. 2027

RESEARCH INTERESTS

- Autonomous Driving
- 3D Reconstruction

WORK EXPERIENCE

Research Intern

[PAI Lab @EWAH](#)

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

1. Dayeon Woo^{‡1}, Eunseo Seo^{‡2}, Chahun Han^{‡3}, Yeonkyung Lee^{‡4}, * Changgyun Jin⁵, “*Developing a Model for Improving 3D Gaussian Splatting Performance Based on DBSCAN*”, IEIE 2024, Nov. 2024.

[‡]: Equal Contribution

RESEARCH EXPERIENCES

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

Excellence Award (2nd 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

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