

CHANHO KIM

Combined M.S./Ph.D. Student, Artificial Intelligence Graduate School (AIGS), UNIST

UNIST Vision and Learning Lab (UVLL) · Advisor: Prof. Seungryul Baek

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EDUCATION

Sep. 2025 – Present	Ulsan National Institute of Science and Technology (UNIST) Artificial Intelligence Graduate School (AIGS) Combined M.S./Ph.D. in Artificial Intelligence Advisor: Prof. Seungryul Baek	Ulsan, Korea
Mar. 2021 – Feb. 2025	Kyungpook National University School of Computer Science and Engineering B.S. in Computer Science and Engineering GPA: 4.01 / 4.5	Daegu, Korea

RESEARCH INTERESTS

- 3D Human & Hand Reconstruction
- Vision-Language Models
- 3D Pose & Mesh Estimation
- Vision-Language-Action Models

PUBLICATIONS

International Conferences

- [C1] **Chanho Kim**, Muhammad Salman Ali, Kyeonghwan Gwak, Muhammad Shaheryar, Incheol Park, Jeongwan On, Seungryul Baek*. **InstantHand: Feed-Forward 3D Gaussian Splatting for Animatable Hand Avatar Reconstruction from a Single Image**. *Advances in Neural Information Processing Systems (NeurIPS)*, Sydney, Australia, 2026. [\[Project Page\]](#) [\[Code\]](#)

Domestic Journals (KCI)

- [J1] Mi-Seon Kang, **Chan-Ho Kim**, Pyong-Kun Kim*. **Vehicle Type Classification Method for Road Traffic Surveys**. *IEMEK Journal of Embedded Systems and Applications*, Vol. 19, No. 5, pp. 227–234, Oct. 2024. [\[DOI\]](#) [\[Code\]](#) (in Korean)

Domestic Conferences

- [D1] **Chanho Kim**, Seungryul Baek*. **Design and Optimization of a Fast, Differentiable, and Parallel Analytical Inverse Kinematics Module for Real-Time Hand Mesh Reconstruction**. *The 38th Workshop on Image Processing and Image Understanding (IPIU 2026)*, Jeju, Korea, Feb. 2026. Poster. (in Korean)
- [D2] **Chan-Ho Kim**, Eunji Kim, Jaehyeon Ha, Chaewon Moon, Dongkyun Kim*. **Fall Prevention Techniques for Medical Beds Using Vision Technology**. *KICS Summer Conference 2024*, Jeju, Korea, Jun. 2024. Poster. (in Korean)
- [D3] **Chan-Ho Kim**[†], Mi-Seon Kang[†], Pyong-Kun Kim*. **Vehicle Type Classification Method for Road Traffic Surveys**. *The 19th IEMEK Symposium on Embedded Technology (ISET 2024)*, Jeju, Korea, May 2024. Oral. **Best Paper Presentation Award**. (in Korean)
- [D4] Dong-hwi Kim, Aro Kim, Dong-hun Lee, **Chanho Kim**, Eunji Kim, Chaewon Moon, Geonah Kim, Sang-hyo Park*. **A Study on Retargeting Via Realistic Media-based Datasets for Metaverse**. *The 25th Conference on Electronics and Information Communications (CEIC 2023)*, Jeju, Korea, Dec. 2023. Oral. (in Korean)

* Corresponding author † Equal contribution

RESEARCH EXPERIENCE

May 2025 – Present	UNIST Vision and Learning Lab (UVLL), UNIST <i>Graduate Researcher / Assistant Researcher</i>	Ulsan, Korea
Jan. 2024 – Feb. 2024	AI Infrastructure Research Lab, Daegyeong Region Research Center, ETRI <i>Research Intern</i> • Deep learning-based 12-class vehicle classification for road traffic surveys, under the Regional Industry ICT Convergence Technology Advancement and Support Project in Daegu-Gyeongbuk.	Daegu, Korea
Jul. 2023 – Dec. 2023	Vision & Intelligent Systems (VIS) Lab, Kyungpook National University <i>Undergraduate Research Student</i>	Daegu, Korea

AWARDS & HONORS

May 2024	Best Paper Presentation Award , The 19th IEMEK Symposium on Embedded Technology (ISET 2024), Institute of Embedded Engineering of Korea (IEMEK)
Dec. 2023	Excellence Award , Daegyeong SW Industry-Academia Project Competition, Software Education Center, Kyungpook National University
Dec. 2023	Encouragement Award , 2023 Daegyeong University Student AI Programming Competition, Software Education Center, Kyungpook National University
Nov. 2022	Grand Prize , Startup Achievement Competition, School of Computer Science and Engineering (PRIME Program), Kyungpook National University