

Jihyeon Hur

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Research Experience

Ph.D. Student BigDyL , KAIST (Advisor: Noseong Park)	Mar 2026 - Present
MS Student CCLab , Seoul National University (Advisor: Gahgene Gweon)	Mar 2024 – Feb 2026
Research Intern LearnLab Summer School , Carnegie Mellon University (Mentor: John Stamper)	July 2024 – Aug 2024
Research Intern Social Robotics Lab, Electronics and Telecommunications Research Institute (ETRI) (Advisor: Ho-Sub Yoon)	Jan 2023 – Feb 2023
Undergraduate Student Research Assistant Computer Vision Lab, Jeonbuk National University (JBNU) (Advisor: Il-Seok Oh)	Sep 2020 – Dec 2022

Education

Korea Advanced Institute of Science and Technology (KAIST) Ph.D. student in School of Computing Advisor: Noseong Park	Mar 2026 – Present
Seoul National University (SNU) MS student in Department of Intelligence and Information Advisor: Gahgene Gweon <ul style="list-style-type: none">GPA: 3.92/4.3	Mar 2024 – Feb 2026
Jeonbuk National University (JBNU) BS in Computer Science and Engineering <ul style="list-style-type: none">GPA: 4.38/4.5	Mar 2019 – Aug 2023

Publications

International Conference Ji-Hyeon Hur , Yongseok Kwon, Min-Gi Jo, Jeongwhan Choi, and Noseong Park, “How Much Memory Do We Need? Adaptive Memory Gate for Neural Operators”, <i>ICML 2026 Workshop on AI for Physics (AI4Physics)</i>	July 2026
Marshall An, Christine Kwon, Yoonjae Lee, Ji-Hyeon Hur , Dongho LEE, Vincent Huai, Barry Zheng, Matthew Yu, Joana Liu, Jenny Pugh, Gahgene Gweon, John Stamper, “Deriving Instructional Insights from Human–LLM Co-Evaluation of Student Collaboration in Data-Centric Programming”, <i>SIGCSE TS</i>	Feb 2026
Minji Ryu, Ji-Hyeon Hur , Sung Heuk Kim, Gahgene Gweon, “Pitch Contour Model (PCM) with Transformer Cross-Attention for Speech Emotion Recognition”, <i>Interspeech</i> . Best Student Paper Award Nominee .	Aug 2025
International Journals Ji-Hyeon Hur , Soonjo Kwon, Hyungki Kim, “Denoise yourself: Self-supervised point cloud upsampling with pretrained denoising”, <i>Expert Systems with Applications (ESWA) (SCIE) [IF 7.5]</i>	May 2025
Ji-Hyeon Hur , Hyungki Kim, Soonjo Kwon, “Point Cloud Upsampling using Deep Self-Sampling with Point Saliency”, <i>Journal of Mechanical Science and Technology (JMST) (SCIE)</i>	Dec 2023

Soonjo Kwon, **Ji-Hyeon Hur**, Hyunki Kim, “Deep learning-based point cloud upsampling: a review of recent trends”, *JMST Advances* Dec 2023

Domestic Conferences

Ji-Hyeon Hur, In-Hyuk Choi, Si-nae Jeong, Dasom Seo, Il-Seok Oh, “A Transformer Model for Fruit Segmentation and Growth Monitoring from Peach Tree Images”, *Korea Software Congress (KSC)* Dec 2022

Ji-Hyeon Hur, Si-nae Jeong, In-Hyuk Choi, Eun-Gyeong Kim, Minwoo Kim, Tae-Woong Yoo, Il-Seok Oh, “Precision benchmarking of deep learning-based apple detectors for automatic apple harvesting”, *Korea Software Congress (KSC)* Dec 2021

Academic Service

Reviewer, AI4Physics Workshop @ ICML 2026 2026

Reviewer, AAAI 2025

Honors & Awards

Grand Award, Artificial Intelligence Project Presentation @ JBNU Dec 2022

President’s Award, Academic Achievement Award @ JBNU Mar 2022

Grand Award, Artificial Intelligence Project Presentation @ JBNU Dec 2021

Bronze Award, Software Creation Competition @ JBNU Nov 2021

Minister’s Award, National Science & Technology Scholarship @ Ministry of Science and ICT Aug 2021

Excellence Award, Artificial Intelligence Project Presentation @ JBNU Dec 2020

Gold Award, Software Creation Competition @ JBNU Nov 2020

Extracurricular Activity

ALPS(Algorithm & Programming Study Group) Core Member Mar. 2020 – Dec. 2022

Teaching Assistant JBNU 2022-1st Semester Computational Thinking and Human (Classes 3,5,6,7) Mar. 2022 – Aug. 2022

Mentoring Program JBNU C Language Mentoring Program Mentor Sep. 2021 – Dec. 2021