



Hoju Shin

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🎓 [Google Scholar](#)

EDUCATION

Pukyong National University
M.S. Candidate in Intelligent Robot Engineering
Advisor: Prof. Seung-Wook Kim

Busan, Republic of Korea
Mar. 2026 – Present

Pukyong National University
B.S. in Electronic Engineering
Total GPA of 4.11/4.5, Major GPA of 4.19/4.5

Busan, Republic of Korea
Mar. 2020 – Feb. 2025

RESEARCH EXPERIENCE

Electronics and Telecommunications Research Institute (ETRI)
Research Intern

Daejeon, Republic of Korea
Jan. 2024 – Feb. 2024

- Developed an object detection system for distinguishing infants from adults.

Vision Laboratory
Graduate Researcher

Busan, Republic of Korea
Oct. 2025 – Present

- Conducting research on *federated learning*, *efficient AI*, *multi-camera systems*, and *low-level vision*.
- Developed methods for *heterogeneous multi-camera image restoration*, including stereo-guided deblurring and efficient cross-view fusion.

PUBLICATIONS

Hoju Shin, Jiah Kim, Seung-Wook Kim, Seowon Ji. “A Benchmark for Heterogeneous Stereo Deblurring with Physically- and Epipolar-constrained Cross Attention.” *European Conference on Computer Vision (ECCV)*, 2026.

Seong-Yeol Kim, Jiah Kim, **Hoju Shin**, Seung-Wook Kim. “Predicting sleep quality using lifelog data with deep learning techniques.” *International Conference on Information and Communication Technology Convergence (ICTC)*, 2024.

Chi-Hun Sung, Seong-Yeol Kim, **Hoju Shin**, Se-Ho Lee, Seung-Wook Kim. “Enhanced blur-robust monocular depth estimation via self-supervised learning.” *Electronics Letters*, vol. 60, no. 22, Nov. 25, 2024.

AWARDS

2nd Place in Samsung AI Challenge
Offline Model-Based Black-Box Optimization

Nov. 2024

Minister’s Award, Ministry of Science and ICT (MSIT)
The 3rd ETRI Human Understanding AI Paper Challenge

Oct. 2024

TECHNICAL SKILLS

Languages: Python, C
Frameworks: PyTorch