

Jinah Kim

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Deep Image Processing Lab

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RESEARCH INTERESTS

Image Restoration (Low-Light Image Enhancement, Image Deblurring), Video Understanding (Temporal Action Localization, Pedestrian Attribute Recognition)

EDUCATION

Korea University, Seoul, Republic of Korea

Aug 2024 – Present

Ph.D. Candidate, Department of Electrical Engineering · Advisor: Prof. Seung-Won Jung, Deep Image Processing Lab

Gachon University, Seongnam, Republic of Korea

Mar 2018 – Aug 2023

B.S. & M.S., Department of Software · Advisor: Prof. Jungchan Cho, Visual AI Lab

WORK EXPERIENCE

Research Intern, Video Team, NAVER Cloud

Oct 2023 – Jun 2024

Research topic: video shot boundary detection

Research Intern, Visual Intelligence Lab, ETRI

Jan 2022 – Feb 2022

Research topic: pedestrian state understanding in real-world CCTV domains

Programming Intern, Cloudike

Jul 2020 – Aug 2020

Android TV application programming

PUBLICATIONS

International Journals

[J1] Intrinsic Decomposition-Based Curriculum Learning for Low-Light Image Enhancement

Jinah Kim, Geon-Ho Park, Juhyun Bae, Seung-Won Jung

IEEE Signal Processing Letters, vol. 32, pp. 4019–4023, 2025

DOI: [10.1109/LSP.2025.3621115](https://doi.org/10.1109/LSP.2025.3621115)

[J2] Background-Aware Robust Context Learning for Weakly-Supervised Temporal Action Localization

Jinah Kim, Jungchan Cho

IEEE Access, vol. 10, pp. 65315–65325, 2022

DOI: [10.1109/ACCESS.2022.3183789](https://doi.org/10.1109/ACCESS.2022.3183789)

[J3] DnSAD: Defocus and Spatially Adaptive Deblurring for Mura Compensation in Display Panels

Geon-Ho Park, Juhyun Bae, Jinah Kim, Changeui Hong, Seung-Won Jung

Journal of the Society for Information Display, vol. 34, no. 3, pp. 99–108, 2026

DOI: [10.1002/jsid.70027](https://doi.org/10.1002/jsid.70027)

[J4] Underexposed Image Enhancement for Mura Compensation in Display Panels

Yurim Jang, Geon-Ho Park, Jinah Kim, Changeui Hong, Seung-Won Jung

Journal of the Society for Information Display, vol. 33, no. 9, pp. 955–963, 2025

DOI: [10.1002/jsid.2097](https://doi.org/10.1002/jsid.2097)

[J5] Improving Visual Pedestrian Attributes Discernment With Textual Reconstruction

Yejun Lee, Jinah Kim, Jungchan Cho, Jhonghyun An

IEEE Access, vol. 12, pp. 164178–164189, 2024

DOI: [10.1109/ACCESS.2024.3491830](https://doi.org/10.1109/ACCESS.2024.3491830)

Domestic Publications

- [D1] Datasets and Research Trends for Local Motion Deblurring**
Jinah Kim, Seung-Won Jung
Workshop on Image Processing and Image Understanding (IPIU), 2026
- [D2] A Study on Limitations of Temporal Video Localization Based on Point-Level Annotation and an Improvement Method Through Point Distribution Modeling**
Jinah Kim, Jungchan Cho
The Journal of Korean Institute of Next Generation Computing, 2023
- [D3] Improvements on Real-World Domain and Person Understanding via Optimal Combination of Training Dataset and Model**
Jinah Kim, Song Gil Jae, Kangmin Bae, Kimin Yun, Yuseok Bae
Korean Institute of Information Scientists and Engineers (KIISE), 2022

PROJECTS

Development of Deblurring Framework for Display Panel Repair Compensation Funded by LG Display	Feb 2025 – Present
Development of Video Understanding Framework Based on Multi-Camera Funded by SK Telecom	Sep 2024 – Sep 2025
Development of Low-Light Enhancement Framework for Display Panel Mura Compensation Funded by LG Display	Sep 2024 – Jan 2025
Development of High-Performance Visual Discovery Platform for Real-Time Large-Scale Video Data Understanding and Prediction Funded by ETRI (Electronics and Telecommunications Research Institute)	Apr 2023 – Aug 2023