Junseong Shin

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Visual Intelligence Lab

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EDUCATION

•Hanyang University, Graduate School   *2022 – Present*
Ph.D. Student in Artificial Intelligence   Seoul, South Korea

•Hanyang University   *2016 – 2022*
B.S. in Mathematics   Seoul, South Korea

EXPERIENCE

•Korea Institute of Science and Technology (KIST)   *Jun. 2021 – Dec. 2021*
Research Intern, Center for Artificial Intelligence   Seoul, South Korea
   – Assisted research on deep learning models for computer vision tasks, focusing on face recognition, action recognition, object detection.

PUBLICATIONS

ODDR: One-Step Deshadow Diffusion via Reward Guidance.   Under Review
Junseong Shin, Kijun Kim, Min Seong Kim, Dongjin Kim, Tae Hyun Kim

Revisit Haze Physical Model as ODE and Non-Homogeneous Haze Generation for Real-World   ICCV 2025
Dehazing
Junseong Shin*, Seungwoo Chung*, Yunjeong Yang, Tae Hyun Kim

PAPP: Plug-And-Play Prompts for Shadow Removal   Under Review
Junseong Shin*, Seungwoo Chung*, Tae Hyun Kim

Deep Variational Bayesian Modeling of Haze Degradation Process   CIKM 2023
Eun Woo Im*, **Junseong Shin***, Sungyong Baik, Tae Hyun Kim

TECHNICAL SKILLS AND INTERESTS

Programming: Python, C/C++, MATLAB
Frameworks: PyTorch, TensorFlow, OpenCV, Diffusers, HuggingFace
Developer Tools: Git, Linux (Ubuntu), Docker, CUDA, Jupyter, VS Code
Languages: Korean (Native), English (Professional Proficiency)
Research Interests: Computer Vision, Image Restoration, Shadow Removal, Dehazing, Diffusion Models

PATENT

•Variational Bayesian Framework for Learning Transmission-Aware Dehazing Networks   *KR Patent App.*

AWARDS

•Outstanding Paper Award in IPIU (Image Processing and Image Understanding)   *Feb. 2025*