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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.
- **AI Profile Generation with Hilling Paper** July. 2023 – Dec. 2023
Personalized Generative Model Developer Seoul, South Korea
 - Developed personalized generative models to create user-specific professional profile photos.

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 Dehazing** ICCV 2025
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