Sungyong Park

Contact Information

Affiliation:	Department of Digital Media, Soongsil University, Seoul, Korea
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Education

Ph.D.program in Department of Digital Media (Artificial Intelligence) *Mar. 2024 - Present*
Soongsil University, Seoul, Korea
Advisor: Prof. Heewon Kim

B.S. in Department of Electrical Engineering *Mar. 2016 - Feb. 2024*
Soongsil University, Seoul, Korea

Publications

- **Sungyong Park***, Sooyoung Choi*, Hyunseo Koh, Youngjae Choi and Heewon Kim, "CLP: A Real-World Dataset of Contaminated Lens Protectors for Robust Semantic Segmentation," in **CVPR**, 2026.
- **Sungyong Park**, Ji Hoon Kim, and Heewon Kim, "Toward Interpretable Space Image Denoising by Learning Cross-Sensor Celestial Signals," in **NTIRE Workshop at CVPR**, 2026.
- Sangmin Lee*, **Sungyong Park***, and Heewon Kim, "DynScene: Scalable Generation of Dynamic Robotic Manipulation Scenes for Embodied AI," in **CVPR**, 2025.
- Sooyoung Choi*, **Sungyong Park***, and Heewon Kim, "SIDL: A Real-World Dataset for Restoring Smartphone Images with Dirty Lenses," in **AAAI** Conference on Artificial Intelligence, 2025.
- Youngjae Choi*, Hyunseo Koh*, Hojae Jeong*, Byungkwan Chae*, **Sungyong Park**, and Heewon Kim, "UDT: Unsupervised Discovery of Transformations between Fine-Grained Classes in Diffusion Models," in British Machine Vision Conference (**BMVC**), 2025.

Honors & Awards

AI Seoul Tech Research Fellowship, Seoul Future Foundation (Seoul Metropolitan Government) *Jun. 2026*

2nd place in ARNOLD Challenge at **CVPR 2026 Embodied AI Workshop** *Jun. 2026*

1st place in ARNOLD Challenge at **CVPR 2025 Embodied AI Workshop** *Jun. 2025*

3rd place in ARNOLD Challenge at **CVPR 2024 Embodied AI Workshop** *Jun. 2024*

Experience

Research Intern *Jun. 2023 - Feb. 2024*
Reality Lab, Soongsil University, Seoul, Korea

Teaching experience

Teaching Assistant for *21506906: Deep learning* at Soongsil University (Fall 2024)

Service

Republic of Korea Army, Staff Sergeant *Jul. 2016 – Feb. 2019*

Research interests

Computer vision, Deep learning, Embodied AI

Skills

Python, PyTorch, OpenCV, LaTeX

References

Advisor

Heewon Kim
Professor
Soongsil University
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https://sites.google.com/view/kimheewon/