

Seonghwan Park

Researcher, Korea Electronics Technology Institute (KETI)

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RESEARCH INTERESTS

- Efficiency and robustness in vision and ML problems
- Robotics grounded in 3D vision priors
- Black-box optimization for real-world applications

EDUCATION

Pohang University of Science and Technology (POSTECH)

M.S. in Artificial Intelligence, advised by Prof. [Namhoon Lee](#)

- GPA 3.9 / 4.0 (4.0 / 4.3)

Mar. 2023 – Aug. 2025

Pohang, Korea

Hanyang University

B.S. in Computer Science and Engineering

- GPA 3.86 / 4.0 (4.12 / 4.5)
- Graduated *summa cum laude*

Mar. 2017 – Feb. 2023

Seoul, Korea

PUBLICATIONS

* [P] In preparation | [C] Conference | [W] Workshop

[P2] (Tentative) Towards Generalizable Feed-Forward 3D Hand-Object Interaction Reconstruction

Seonghwan Park, Yong-Hoon Kwon, Min-Gyu Park

Ongoing project

[P1] (Tentative) Reconstructing Physically Plausible Human-Object Interaction from a Single Image

Seonghwan Park, Yong-Hoon Kwon, Min-Gyu Park

Under review

[C5] Recovering Black-Box Point Cloud Models from Pose Shifts via Derivative-Free Optimization

Seonghwan Park, Min-Gyu Park

WACV 2027 • Accepted as a Round 1 paper

[C4] Exploiting Local Flatness for Efficient Out-of-Distribution Detection

Seonghwan Park, Hyunji Jung, Dongyeop Lee, Namhoon Lee

ECCV 2026

[C3] JacobianAvatar: Temporally Consistent Semi-rigid Avatar Reconstruction from a Monocular Video

Changyeon Won, Min-Gyu Park, [Seonghwan Park](#), Ju Hong Yoon, Hae-Gon Jeon

ECCV 2026

[C2] An Analysis of Concept Bottleneck Models: Measuring, Understanding, and Mitigating the Impact of Noisy Annotations

Seonghwan Park, Jueun Mun, Donghyun Oh, Namhoon Lee

NeurIPS 2025

[C1] ZIP: An Efficient Zeroth-order Prompt Tuning for Black-box Vision-Language Models

Seonghwan Park, Jaehyeon Jeong, Yongjun Kim, Jaeho Lee, Namhoon Lee

ICLR 2025

[W2] FedFwd: Federated Learning without Backpropagation

Seonghwan Park, Dahun Shin, Jinseok Chung, Namhoon Lee

ICML 2023 Workshop on Federated Learning and Analytics in Practice

[W1] On the Effectiveness of Sharpness-Aware Minimization with Large Mini-batches

Jinseok Chung, Seonghwan Park, Jaeho Lee, Namhoon Lee

ICML 2023 Workshop on High-dimensional Learning Dynamics

RESEARCH EXPERIENCE

Korea Electronics Technology Institute (KETI) <i>Researcher (Supervisor: Dr. Min-Gyu Park)</i> Research Area: 3D vision and physical AI ([P1], [P2], [C3], [C5])	Jan. 2026 – Present
Computational Optimization Lab, POSTECH <i>Research Assistant (Supervisor: Prof. Namhoon Lee)</i> Research Area: Model efficiency and robustness through optimization ([C1], [C2], [C4], [W1], [W2])	Jan. 2023 – Dec. 2025
Samsung Research Project Research Area: Multi-modal foundation models for anomaly detection	Jun. 2025 – Nov. 2025
Samsung Advanced Institute of Technology (SAIT) Project Research Area: Visual prompting for MMFM-based visual question answering ([C1])	Jun. 2024 – May. 2025
Machine Learning Lab, Hanyang University <i>Undergraduate Research Intern (Supervisor: Prof. Eun-Sol Kim)</i> Research Area: Prompt tuning for LLM-based VQA	Jan. 2022 – Dec. 2022

HONORS & AWARDS

• NeurIPS 2025 Travel Award	2025
• CKAA (Domestic Conference) Best Paper Finalist Award	2025
• HYU Academic Excellence Award (top 3%)	2022

PATENTS

A Method for Generating Data, Obtaining Data and an Electronic Apparatus Performing the Same Hyunjeong Lee, Seonghwan Park, Namhoon Lee, Jaehyeon Jeong, Seungin Park <i>Under registration review, South Korea</i>	
Electronic Device for Training Artificial Intelligence Model in Black Box Environment by Using Prompts and Operating Method of the Same Namhoon Lee, Jaeho Lee, Seonghwan Park, Jaehyeon Jeong, Yongjun Kim <i>Under registration review, US & South Korea</i>	
Apparatus and Method for Reducing the Impact of Label Noise on the Prediction Accuracy of a Conceptual Bottleneck Model Namhoon Lee, Seonghwan Park, Jueun Mun <i>Under registration review, US & South Korea</i>	

TEACHING

Teaching Assistant — POSTECH, <i>Introduction to Artificial Intelligence</i>	Sep. – Dec. 2024
Teaching Assistant — POSCO AI Fellowship, <i>Deep Learning</i>	May – Jun. 2023

SERVICE

Reviewer — ICLR 2026, ECCV 2026, NeurIPS 2026, TMLR	
Sergeant — Republic of Korea Air Force (ROKAF) Logistics Command	Oct. 2018 – Aug. 2020

SKILLS & LANGUAGES

Programming	Python, C/C++, C#, PyTorch, L ^A T _E X, Git
Languages	Korean (native), English (professional working)