Last updated: Nov 28, 2026

Chaerin Min

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https://chaerinmin.github.io/

RESEARCH INTERESTS

Spatial Intelligence: building AI systems that can perceive, generate, and reason the space and time of the 3D physical world.

PUBLICATIONS

Chaerin Min, Praccho Muna-Mcquay, Tao Lu, James Tompkin, Srinath Sridhar, "MotionSplicer: Controllable Motion Editing for 4D Scenes", The 19th European Conference on Computer Vision **(ECCV), 2026.**

Chaerin Min, Hongsheng Yu, Fengtao Fan, Srinath Sridhar, Qiuxuan Wu, Chao Guo, "SLoFT: End-to-End Semantic Localization with Floorplan and Transformer", IEEE International Conference on Robotics and Automation **(ICRA), 2026**.

Kefan Chen*, **Chaerin Min***, Linguang Zhang, Shreyas Hampali, Cem Keskin, and Srinath Sridhar, "FoundHand: Large-Scale Domain-Specific Learning for Controllable Hand Image Generation", IEEE/CVF Conference on Computer Vision and Pattern Recognition **(CVPR), 2025. Highlight**

Chaerin Min*, Sehyun Cha*, Changhee Won, and Jongwoo Lim, "Fast Spatial Reasoning of Implicit 3D maps through Explicit Near-Far Sampling Range Prediction", IEEE/RSJ International Conference on Intelligent Robots and Systems **(IROS), 2024.**

Chaerin Min, Tae Hyun Kim, and Jongwoo Lim, "Meta-Learning for Adaptation of Deep Optical Flow Networks", Proceedings of the IEEE/CVF Winter Conference on Applications of Computer Vision **(WACV), 2023.**

INTERNSHIPS & RESEARCH ASSISTANT

Google, Mountain View / San Jose, CA. *Mentor: Hongsheng Yu*

Student Researcher, Visual localization. Published to ICRA 2026 — Jun. 2025 – Sep. 2025, May. 2026 - Dec. 2026

Interactive 3D Vision & Learning Lab, Brown University

Research Assistant, 3D Computer Vision. Published to CVPR 2025 and ECCV 2026 — Sep. 2023 ~

Multipleye Co.

Research Intern, Neural rendering in large real indoor. Published to IROS 2024 — Sep. 2022 – May 2023

Research Intern, Localization using event camera. Achieved a patent — Jul. 2021 – Aug. 2021

Computer Vision Lab., HYU

Research Assistant, Domain adaptation in optical flow. Published to WACV 2023 — Sep. 2021 – Aug. 2023

SERVICES

- Reviewer for T-PAMI'24, SIGGRAPH'25, AAAI'26, WACV'26, ECCV'24'26, RA-L'26 CVPR'24'25'26'27
- Junior Organizer for 1st 4DWorldModels Workshop at CVPR2026

EDUCATION

Brown University Sep. 2023 – Present

4th year Ph.D. student in Computer Science
Advisor: Prof. Srinath Sridhar
GPA 4.0/4.0

Hanyang University Sep. 2021 – Aug.2023

M.S. in Computer Science
Thesis: Neural Implicit Surfaces for Large Scenes using Valid Region Sampling
Advisor: Prof. Jongwoo Lim
GPA 4.0/4.0

University of Seoul Mar. 2017 – Aug. 2021

B.S. in Electrical and Computer Engineering
GPA 4.3/4.5 (ranked 2/64)

AWARDS & HONORS

- **Outstanding Reviewer,** ECCV 2026 — Spring 2026
- **Outstanding Reviewer,** CVPR 2025 — Spring 2025
- **LG Electronics Fellowship**, LGE Vehicle Component Solutions — Spring 2023
- **BrainKorea21**, National Research Foundation — Fall 2021
- **ISEP Exchange**, ISEP — Spring 2020
- **Scholarship for Excellent Achievement**, University of Seoul — Fall 2019
- *Merit-based* **Seongnam Scholarship**, Seongnam Scholarship Foundation — Spring 2016

TEACHING EXPERIENCE

- **Teaching Assistant**, Introduction to Computer Vision (CSCI 1240) — Fall 2026
- **Teaching Assistant**, AI Expert course (Samsung Electronics) — Summer 2023
- **Graduate Teaching Assistant**, Computer Vision (HYU AAI0013) — Spring 2022, Spring 2023
- **Undergraduate Teaching Assistant**, Calculus-2 (UOS 01584) — Fall 2019

PATENTS

- "Learning method, learning device for estimating results of pose variation of camera using time series events and testing method, testing device using the same", C. Won, **C. Min**, H. Seok, KR-Registration No. 10-2372988