

Seokyoung Kim

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Research Interests

- 3D Scene Graph Generation and Tracking
- 3D Reconstruction
- Spatial Perception
- Augmented Reality and Virtual Reality

Research Experiences

Research Assistant

Ubiquitous Virtual Reality Lab, KAIST (Advisor: Prof. Woon taek Woo)

Daejeon, Republic of Korea

Jan. 2024 – Present

Undergraduate Intern

Autonomous Intelligence Mobility Lab, CNU (Advisor: Prof. Chan soo Kim)

Gwangju, Republic of Korea

Jan. 2022 – Dec. 2023

Education

M.S. in Graduate School of Metaverse.

Korea Advanced Institute for Science and Technology (KAIST)

Daejeon, Republic of Korea

Mar. 2024 – Present

B.S. in IoT Artificial Intelligence Convergence.

*Chonnam National University (**Summa cum laude**)*

Gwangju, Republic of Korea

March. 2018 – Feb. 2024

Publications

Domestic Journal

- [1] **Seokyoung Kim**, Chansoo Kim

Improved Depth Completion with a Two-branch Backbone based on CNN-ViT integration module

Under Review, Transactions of the Korean Society of Automotive Engineers, 2024

Domestic Conference

- [2] **Seokyoung Kim**, Chansoo Kim

TB-CompletionFormer : Improved Depth Completion based on Two-branch Backbone

Korean Society of Automotive Engineers (KSAE) Annual Fall Conference, 2023

- [3] **Seokyoung Kim**, Yeonggyu Park, Taehyun Park, Yuri Seo, Seongjun Kim, Kichun Jo and Chansoo Kim

Towards precise Depth Completion guided by dense Pointcloud based on LiDAR Accumulation

Korean Society of Automotive Engineers (KSAE) Annual Spring Conference, 2023

Activities

Project

- Development of ‘Self-Driving Fire Detection Robot’ in Chonnam National University

July – Dec. 2022

- Vision based Vehicle and Lane Detection Model using YOLO & M-LSD

Sep. 2022

Academic Service

- Mentoring program of local high school students - *python lectures*

Nov. 2021 – Feb. 2022

Awards & Honors

- **Grand Prize**, Artificial Intelligence System Competition (Chonnam National University), Nov. 2022
- **Silver Prize**, International Electric Vehicle Expo Autonomous Driving Competition, Apr. 2022
- **CNU Scholarship for Academic Excellence**, All Semesters of 2021-20