

# Seokyoung Kim

[seokyoung@kaist.ac.kr](mailto:seokyoung@kaist.ac.kr)

## Research Interests

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- 3D Scene Generation based on Scene Graph
- 3D Scene Reconstruction
- Egocentric Vision for AR/VR

## Research Experiences

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### 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

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### M.S. in Graduate School of Metaverse.

*Korea Advanced Institute for Science and Technology*

Daejeon, Republic of Korea

*Mar. 2024 – Present*

### B.S. in Artificial Intelligence.

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

Gwangju, Republic of Korea

*Mar. 2018 – Feb. 2024*

## Publications

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### Domestic Journal

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

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

Transactions of the Korean Society of Automotive Engineers, KCI, 2024

### Domestic Conference

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

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

Korean Society of Automotive Engineers 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 Annual Spring Conference, 2023

## Activities

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### Project

- DT-XR
  - Development of Dynamic Digital Twin for Realistic Untact XR Collaboration

*Mar. 2024 – Present*

## Teaching Experience

- URP490: Undergraduate Research Participation Program (School of Computing) *Mar. 2024 – Present*
- Python mentoring program of local high school students *Nov. 2021 – Feb. 2022*

## Awards & Honors

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- **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 2021-2023