

# Seokyoung Kim

[seokyoung@kaist.ac.kr](mailto:seokyoung@kaist.ac.kr) | [seokyoung.info](http://seokyoung.info)

## Research Interests

---

- Spatial Perception
- 3D Vision for Augmented Reality
- Digital Twin

## Research Experiences

---

<b>Research Assistant</b> <i>Ubiquitous Virtual Reality Lab, KAIST (Advisor: Prof. Woon taek Woo)</i>	Daejeon, Republic of Korea <i>Jan. 2024 – Present</i>
<b>Undergraduate Intern</b> <i>Autonomous Intelligence Mobility Lab, CNU (Advisor: Prof. Chan soo Kim)</i>	Gwangju, Republic of Korea <i>Jan. 2022 – Dec. 2023</i>

## Education

---

<b>M.S. in Graduate School of Metaverse.</b> <i>Korea Advanced Institute for Science and Technology (KAIST)</i>	Daejeon, Republic of Korea <i>Mar. 2024 – Present</i>
<b>B.S. in IoT Artificial Intelligence Convergence.</b> <i>Chonnam National University (<b>Summa cum laude</b>)</i>	Gwangju, Republic of Korea <i>March. 2018 – Feb. 2024</i>

## 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