

Minjun Kang

Ph.D. Candidate, Robotics and Computer Vision Lab, KAIST

Email : kmmj2005@kaist.ac.kr

I am Ph.D. Candidate at Korea Advanced Institute of Science and Technology (KAIST), advised by Prof. Kuk-Jin Yoon and In So Kweon. I received my B.S and M.S degrees in electrical engineering from Yonsei University and KAIST in 2019 and 2021, respectively.

Research Interests

- Computational Photography
- View synthesis, Scene reconstruction
- Sensor Processing (multi-view stereo, dual-pixel camera)
- Robot Vision - SLAM, Visual Odometry

but not limited to.

Research Experience

- **Robotics and Computer Vision Lab, KAIST** Daejeon, South Korea
Undergraduate Researcher, *Prof. In So Kweon* Dec. 2017 - Mar. 2018
 - **DSP & AI Lab, Yonsei** Seoul, South Korea
Undergraduate Researcher, *Prof. Hong-Goo Kang* Dec. 2017 - Mar. 2018
-

Education

- **Korea Advanced Institute of Science and Technology (KAIST)** Daejeon, South Korea
Ph.D. in Robotics, *Prof. Kuk-Jin Yoon and In So Kweon* 2021 - present
 - **Korea Advanced Institute of Science and Technology (KAIST)** Daejeon, South Korea
M.S. in Electrical Engineering, *Prof. In So Kweon* 2019 - 2021
 - **Yonsei University** Seoul, South Korea
B.S. in Electrical Engineering 2015 - 2019
-

Publications

- Facial Depth and Normal Estimation using Single Dual-Pixel Camera
European Conference on Computer Vision (ECCV), 2022
Minjun Kang, Jaesung Choe, Hyowan Ha, Hae-gon Jeon, Sunghoon Im, In So Kweon, Kuk-Jin Yoon
 - VolumeFusion: Deep Depth Fusion for 3D Scene Reconstruction
IEEE International Conference on Computer Vision (ICCV), 2021
Jaesung Choe, Sunghoon Im, Francois Rameau, **Minjun Kang**, and In So Kweon
 - CMSNet: Deep Color and Monochrome Stereo
International Journal of Computer Vision (IJCV), 2021.11
Hae-Gon Jeon, Sunghoon Im, Jaesung Choe, **Minjun Kang**, Joon-Young Lee, and Martial Hebert
-

Honors

- Yonsei Scholarship** Sep. 2015 - June. 2016
 - KT Group Scholarship** June. 2016 - Sep. 2016
-

Skills

Programming Languages: Python, Matlab, C/C++

Libraries: PyTorch, TensorFlow, Jax, OpenCV

References

- In So Kweon, Professor, Department of Electrical Engineering, KAIST
 - Kuk-Jin Yoon, Professor, Department of Mechanical Engineering, KAIST
 - Hae-Gon Jeon, Assistant Professor, AI Graduate and Department of Electrical Engineering, GIST
-