Minjun Kang

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

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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. Hong-Goo Kang*   Dec. 2017 - Mar. 2018

☐ **DSP & AI Lab, Yonsei**   Seoul, South Korea
Undergraduate Researcher, *Prof. In So Kweon*   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

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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