Byung-Jun Kim

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EDUCATION

Seoul National University (SNU), Korea Sep.2022-Present
M.S./Ph.D. candidate in Computer Science (adviser: Hanbyul Joo)

Korea Advanced Institute of Science and Technology (KAIST), Korea Mar.2014-Feb.2019
B.S.(cum laude) in Electrical Engineering

Sangsan Highschool, Korea Mar.2011-Feb.2014

WORK EXPERIENCE

Agency of Defense Development, Korea Jun.2019–May.2022
Research Officer. advisor: Dr. Inwook Shim

- Computer Vision, LiDAR based 3D Object Detection, Code optimization
- *Deformable Object Recognition Technology Project* [19'-22']
- *Traversable Area and Object Detection on Adverse-environmental Conditions (TAODAC)* [19'-22']
  - *International Joint Research Program(DSO, Singapore).*

Samsung Electronics(CE/IM) Jul.2018-–Aug.2018
Network Division

- Hardware verification of 5G NR base station

Undergraduate Research Internship, KAIST Sep.2018–Dec.2018
Scientific Computing Lab., advisor: Prof. Joohwan, Chun

- Worked on tracker/smoother algorithms and its possible applications on estimation of missile trajectory

AWARDS

Research Officer for National Defense, Ministry of National Defense, Korea Jun.2019-May.2022
25 selected nation-wide

National Scholarship for Science and Engineering Mar.2017-Feb.2019
Future leaders with strong academic performance in Science and Engineering

PUBLICATION

Gwangtak Bae, **Byungjun Kim**, Seongyong Ahn, Jihong Min, and Inwook Shim, "SLiDE: Self-supervised LiDAR De-snowing through Reconstruction Difficulty, " *European Conference of Computer Vision (ECCV)*, 2022.

Byungjun Kim, "Cylindrical Partition based Sampling Method for 3D Object Detection from Point Cloud," *Proceedings of the Korea Institute of Military Science and Technology Conference,* 2021.

Sungdae Sim, Jihong Min, **Byungjun Kim**, "Pedestrian Trajectory Prediction using Attention Network," *Autumn Annual Conference of IEIE,* 2020.

SKILLS

- Programming language and tools: C, Python, Pytorch, Matlab
- Language: Korean(native), English