

# Byung-Jun Kim

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## EDUCATION

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Sangsan Highschool, Korea Mar.2011-Feb.2014  
B.E. (*cum laude*), Department of Electrical Engineering, KAIST, Korea Mar.2014-Feb.2019  
KAIST Injeong Scholarship [14'-19']  
National Scholarship for Science and Engineering [17'-19']

## WORK EXPERIENCE

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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/smoothing algorithms and its possible applications on estimation of missile trajectory

## AWARDS

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Research Officer for National Defense, Ministry of National Defense, Korea Jun.2019-May.2022  
*25 selected nation-wide*  
CES Visiting Program, KAIST Jan.2019  
*Autonomous Driving Team*

## PUBLICATION

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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.  
Jihoon Choi, Jihong Min, Sungdae Shim, Seongyong Ahn, Jongwoo Lee, Gwangtak Bae, and **Byungjun Kim**, "System for Fusion of Multiband Imaging and Lidar Data," *Proceedings of the Korea Institute of Military Science and Technology Conference*, 2021.

## SKILLS

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