

Daehyun Bae

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 <https://www.linkedin.com/in/daehyun-bae-a2a01b166>

EDUCATION

Ph.D. (2020 –)	Sungkyunkwan University, Suwon, Korea (GPA: 4.08 / 4.5) Department of Artificial Intelligence
M.S. (2018 – 2020)	Sungkyunkwan University, Suwon, Korea (GPA: 4.17 / 4.5) Department of Electrical and Computer Engineering
B.S. (2011 – 2018)	Sungkyunkwan University, Seoul, Korea (GPA: 3.56 / 4.5) Department of Computer Engineering
Exchange Student (Fall 2016)	The Hong Kong University of Science and Technology, Hong Kong Department of Computer Engineering

PUBLICATION

D. Bae., J. Kim., H. Noh. D. Kim., J. Heo.
"Plenoptic imaging techniques for improving accuracy and robustness of object tracking." *Three-Dimensional Imaging, Visualization, and Display 2018*. Vol. 10666. International Society for Optics and Photonics, 2018.

D. Bae., J. Kim., J. Heo.
"Content-aware focal plane selection and proposals for object tracking on plenoptic image sequences." *Sensors* 19.1 (2019): 48. (IF: 3.031)

PROJECT EXPERIENCE

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|-------------------|---|
| 2018.02 – 2018.11 | Improving object tracking algorithm in the plenoptic image sequences
• Collaboration with <i>Electronics and Telecommunications Research Institute (ETRI)</i> |
| 2019.06 – 2019.11 | Application to neural network-based object tracking algorithm in plenoptic image sequence
• Collaboration with <i>Electronics and Telecommunications Research Institute (ETRI)</i> |
| 2018.08 – 2020.12 | Crowd-enabled Intelligence Surveillance System
• Collaboration with <i>Korean National Police Agency (경찰청)</i> |

SCHOLARSHIPS

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| 2018 – 2019 | Received Graduate school Scholarship given to selective graduate students, <i>Sungkyunkwan University</i> , Korea. |
| 2018 – 2019 | Received Brain Korea (BK) Scholarship given to selective graduate students, <i>Sungkyunkwan University</i> , Korea. |
| 2014 – 2017 | Received National Scholarship given to selective undergraduate students, <i>Korean Student Aid Foundation (KOSAF)</i> , Korea. |

TEACHING EXPERIENCE

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| 2020.11 | <i>Teaching Assistant Manager</i>
LG Electronics, Smart Factory AI course |
| 2020.07 | <i>Lab Lecturer</i>
Lab Course: Object Detection, Tracking & Segmentation
Samsung SDS, AI course |
| 2020.05 | <i>Teaching Assistant</i>
Lab Course: Individual Project (Regression)
LG Electronics, Smart Factory AI course |
| 2019.10 | <i>Teaching Assistant</i>
Lab Course: Individual Project (Multi-person Tracking)
LG Electronics, Smart Factory AI course

<i>Teaching Assistant</i>
Lab Course: Group Project (Person Re-identification)
LG Electronics, Smart Factory AI course |

2019.07	<i>Lab Lecturer</i> Lab Course: Object Detection, Tracking & Segmentation Samsung SDS, AI course <i>Teaching Assistant</i> Lab Course: Group Project (Person Re-identification) Samsung SDS, AI course
2019.05	<i>Lab Lecturer</i> Lab Course: Object Detection, Tracking & Segmentation Samsung SDS, AI course
2019.03 – 2019.06	<i>Lab Lecturer</i> Course: Computer Programming for Engineers (Python) College of Engineering, Sungkyunkwan University
2018.09 – 2018.12	<i>Lab Lecturer</i> Course: Computer Programming for Engineers (Python) College of Engineering, Sungkyunkwan University <i>Teaching Assistant</i> Course: Capstone Design Department of Software, Sungkyunkwan University
2018.06 – 2018.07	<i>Lab Lecturer</i> Lab Course: Object Detection, Tracking & Segmentation Samsung SDS, AI course
2018.03 – 2018.06	<i>Lab Lecturer</i> Course: Computer Programming for Engineers (Python) College of Engineering, Sungkyunkwan University
2017.09 – 2017.12	<i>Learning Tutor</i> Course: Artificial Intelligent Department of Software, Sungkyunkwan University

WORK EXPERIENCE

2012.01 – 2013.10	Korea Army, Republic of Korea <ul style="list-style-type: none">• Computer Emergency Response Team (CERT) at Ministry of National Defense• Honorable discharge (2013.10.15)
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