

# Byeong Gwon Lee

Master's program  
Dongguk Univ.  
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## EDUCATION

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Mar. 2016 ~ May. 2017	<b>Catholic Kwandong University</b> Department of Broadcasting  <i>dropping out of school</i> GPA: 3.688 / 4.5	Gangneung, Korea
Mar. 2020 ~ Feb. 2023	<b>Hanyang University</b> Division of Software  <i>Advisor: Sungju Park</i>  <i>B.S. in Software Engineering</i> GPA: 3.68 / 4.5	Ansan, Korea
Feb. 2024 ~ Present	<b>Dongguk University</b> Department of Computer Science and Artificial Intelligence,  Thesis: Online 3D Gaussian Splatting Modeling with Novel View Selection <i>Advisor: Soohwan Song</i>  <i>Master Student</i> GPA: 4.5 / 4.5	Seoul, Korea

## RESEARCH INTERESTS

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- Deep learning
- Object detection image segmentation
- SLAM
- 3D reconstruction
- Digital Twin

## RESEARCH EXPERIENCES

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- Research Intern at AI Image, RTM, Korea (Sep. 2022 ~ Dec. 2022) / Intern
- Researcher at AI Image, RTM, Korea (Jan. 2023 ~ Feb. 2024) / Data Scientist
- Research Student at Department of Computer Science and Artificial Intelligence, Dongguk Univ., Korea (Feb. 2024 ~ Present) / Computer Vision Researcher

## PROJECTS

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- 같은 샘플의 다양한 각도에서 촬영된 이미지에서 결합 객체 찾기, 대덕 전자, Korea (Apr. 2023 ~ Jun. 2023)
- 고해상도로 촬영된 화장품 용기의 결합 찾기, AI 바우처, Korea (Mar. 2023 ~ Dec. 2023)
- 드론 활용 실시간 3차원 복원을 위한 다시점 스테레오 기술 개발 , Mobility One Inc., Korea (Oct. 2024 ~ Apr. 2025)
- 드론으로 촬영된 이미지를 활용한 3D Reconstruction, Mobility One Inc., Korea (Jun. 2025 ~ Present)

## PUBLICATIONS (SCIE/ESCI)

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1. Byeonggwon Lee, Junkyu Park, Khang Truong Giang, Sungho Jo, Soohwan Song, "MVS-GS", *IEEE ACCESS*, (2025)
2. Byeonggwon Lee, Junkyu Park, Khang Truong Giang, Soohwan Song, "Online 3D Gaussian Splatting Modeling with Novel View Selection", *IJCAI 2025*, (2025)
3. Junkyu Park, Byeonggwon Lee, Sanggi Lee, Soohwan Song, "Stereo-GS: Online 3D Gaussian Splatting Mapping Using Stereo Depth Estimation", *MDPI ELECTRONICS*, (2025)

## SKILLS AND TECHNIQUES

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- A (High)
  - Python
  - Pytorch
  - Open CV
- B (Middle)
  - C++
  - C
  - Shell Scripting
  - Linux
  - PyQt
  - PyGLM
- C (Low)
  - Java
  - JavaScript
  - Cu
  - Docker
  - Kubernetes
  - SQL