

Byeong Gwon Lee

Master's program
Dongguk Univ.
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EDUCATION

Mar. 2016 ~ May. 2017	Catholic Kwandong University Department of Broadcasting	Gangneung, Korea
	<i>dropping out of school</i> GPA: 3.688 / 4.5	
Mar. 2020 ~ Feb. 2023	Hanyang University Division of Software	Ansan, Korea
	<i>Advisor: Sungju Park</i> <i>B.S. in Software Engineering</i> GPA: 3.68 / 4.5	
Feb. 2024 ~ Feb. 2026	Dongguk University Department of Computer Science and Artificial Intelligence,	Seoul, Korea
	Thesis: Online 3D Gaussian Splatting Modeling with Novel View Selection <i>Advisor: Soohwan Song</i> <i>M.S in Computer Science</i> GPA: 4.5 / 4.5	

RESEARCH INTERESTS

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

RESEARCH EXPERIENCES

- 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

- 같은 샘플의 다양한 각도에서 촬영된 이미지에서 결함 객체 찾기, 대덕 전자, Korea (Apr. 2023 ~ Jun. 2023)
- 고해상도로 촬영된 화장품 용기의 결함 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)
- 3D Reconstruction with Diffusion-based Inpainting, Mobility One Inc., Korea (Jun. 2025 ~ Dec. 2025)

PUBLICATIONS (SCIE/ESCI)

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

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

PROFESSIONAL SERVICE

- 온라인 다시점 스테레오를 이용한 차원 3 모델링 시스템 및 방법 (국내 특허)
- System and Method for 3D Modeling Using Online Multi-view Stereo (PCT 국제 특허)
- IEEE Access – Peer Reviewer (2025.11 ~)