


# Gyeongrok Oh

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CONTACT INFORMATION	Gyeongrok Oh Seoul, Korea	 <b>Homepage</b>  <a href="mailto:dhrudfhr98@korea.ac.kr">dhrudfhr98@korea.ac.kr</a>
RESEARCH BACKGROUND	<b>Computer Vision / Deep Learning</b> Multimodal Representation Learning, Self-Supervised Learning Autonomous Driving	
EDUCATION	<b>Ph.D.</b> in Artificial Intelligence, Korea University, GPA: 4.25/4.5 Advisor: <a href="#">Prof. Sangpil Kim</a>	Sep 2022– Current
	<b>B.S.</b> in Computer Science, Inha University, GPA: 4.0/4.5 Advisor: <a href="#">Prof. Jinman Jung</a>	Mar 2016– Aug 2022
RESEARCH EXPERIENCE	<b>Samsung Advanced Institute of Technology (SAIT)</b> <i>Visiting Researcher @ Computer Vision Lab</i> Advisors: <a href="#">Ph.D. Sujin Jang</a> Projects: Autonomous Driving, Occupancy Prediction	Jan 2024– Current
	<b>Korea University</b> <i>Research Intern @ Computer Vision Lab</i> Advisors: <a href="#">Prof. Sangpil Kim</a> Projects: Generative Model, Multi-modal Fusion	Dec 2021– Aug 2022
	<b>Inha University</b> <i>Research Intern @ Machine Learning &amp; Computer Vision Lab</i> Advisors: <a href="#">Prof. Seung-Hwan Bae</a> Projects: Multi-Object Tracking	Dec 2020– Jun 2021
JOURNAL PUBLICATIONS (* Equal contribution)	[J3]. <a href="#">Gyeongrok Oh</a> , Sungjune Kim, Heon Gu, Sang Ho Yoon, Jinkyu Kim, Sangpil Kim, “ <a href="#">FPANet: Frequency-based Video Demoireing using Frame-level Post Alignment</a> ”, <i>Neural Networks</i> , 2025, <b>JCR 10%</b> .	
	[J2]. Seunghyun Lee†, Hyung-gun Chi†, <a href="#">Gyeongrok Oh</a> , Wonmin Byeon, Sang Ho Yoon, Hyunje Park, Wonjun Cho, Jinkyu Kim*, Sangpil Kim*, “ <a href="#">Robust Sound-Guided Image Manipulation</a> ”, <i>Neural Networks</i> , 2024, <b>JCR 10%</b> .	
	[J1]. Seung Hyun Lee†, Sieun Kim†, Wonmin Byeon, <a href="#">Gyeongrok Oh</a> , Sumin In, Hyeongcheol Park, Sang Ho Yoon, Sung-hee Hong, Jinkyu Kim*, and Sangpil Kim*, “ <a href="#">Audio-Guided Implicit Neural Representation for Local Image Stylization</a> ”, In <i>Computational Visual Media</i> , 2024, <b>JCR 10%</b> .	
CONFERENCE PUBLICATIONS (* Equal contribution)	[C4]. <a href="#">Gyeongrok Oh</a> , Jaehwan Jeong, Sieun Kim, Wonmin Byeon, Jinkyu Kim, Sungwoong Kim, Sangpil Kim, “ <a href="#">MEVG: Multi-event Video Generation with Text-to-Video Models</a> ”, In <i>ECCV</i> , 2024.	
	[C3]. Gysam Chang†, Wonseok Roh†, Sujin Jang, Dongwook Lee, Daehyun Ji, <a href="#">Gyeongrok Oh</a> , Jinsun Park, Jinkyu Kim*, Sangpil Kim*, “ <a href="#">CMDA: Cross-Modal and Domain Adversarial Adaptation for LiDAR-based 3D Object Detection</a> ”, In <i>AAAI</i> , 2024.	
	[C2]. Wonseok Roh, Seung hyun Lee, Won Jeong Ryoo, <a href="#">Gyeongrok Oh</a> , Jakyung Lee, Soo Yeon Hwang, Hyung-gun Chi, Sangpil Kim, “ <a href="#">Functional Hand Type Prior for 3D Hand Pose Estimation and Action Recognition from Egocentric View Monocular Videos</a> ”, In <i>BMVC (Oral)</i> , 2023.	
	[C1]. Seung hyun Lee, <a href="#">Gyeongrok Oh</a> , Wonmin Byeon, Chanyoung Kim, Won Jeong Ryoo, Sang Ho Yoon, Ji Hyun Bae, Jinkyu Kim*, Sangpil Kim*, “ <a href="#">Sound-Guided Semantic Video Generation</a> ”, In <i>ECCV</i> , 2022.	
	[P1]. <a href="#">Gyeongrok Oh</a> †, Sungjune Kim†, Hyung-gun Chi, Jinkyu Kim, Dongwook Lee, Daehyun Ji, Sungjoon Choi, Sujin Jang*, Sangpil Kim* “ <a href="#">Context-Enriched Voxel Queries for Camera-based 3D Occupancy Prediction</a> ”, In <i>Submission</i> , 2024.	

SKILLS	<p><b>Programming Languages:</b> Python, C/C++</p> <p><b>Tools:</b> PyTorch, TensorFlow, JAX</p>
TEACHING EXPERIENCE	<p><b>Korea University</b>, Seoul, Korea</p> <ul style="list-style-type: none"> <li>Teaching Assistant of Statistics (2023)</li> </ul> <p><b>LG CNS</b>, Seoul, Korea</p> <ul style="list-style-type: none"> <li>Teaching Assistant of Anomaly Detection Course for LG CNS Executives and Employees (2022, 2023)</li> </ul> <p><b>Inha University</b>, Incheon, Korea</p> <ul style="list-style-type: none"> <li>Teaching Assistant of Data Structure (2021)</li> </ul>
AWARDS & HONORS	<p><b>BK 21 Academic Excellence Scholarship for freshmen</b></p> <p><b>Inha AI challenge (Face Recognition)</b></p> <ul style="list-style-type: none"> <li>1st Place, 2021</li> </ul> <p><b>Departmental Scholarship, Dept of Computer Science, Inha University</b></p> <ul style="list-style-type: none"> <li>Mar.&amp; Sep. 2020, Mar. 2021, Mar. 2022</li> </ul>
ACADEMIC SERVICES	<p><b>Conference Reviewer.</b></p> <ul style="list-style-type: none"> <li>IEEE/CVF Conference on Computer Vision and Pattern Recognition (CVPR), 2024</li> <li>IEEE/CVF Winter Conference on Applications of Computer Vision (WACV), 2023</li> </ul> <p><b>Program Committee.</b></p> <ul style="list-style-type: none"> <li>The Association for the Advancement of Artificial Intelligence (AAAI), 2025</li> </ul>