

Research Interests _

My research interests span various topics in computer vision, emphasizing real-world applications. I am currently focused on robust 3D scene representations and rendering techniques that remain effective under challenging conditions. The goal of my research is to move beyond idealized assumptions, embracing the complexities of real-world scenarios.

Education _____

Luu		
MS	 POSTECH, Artificial Intelligence Advisor : Prof. Sunghyun Cho C Thesis : "Exploiting Deblurring Networks for Radiance Fields" 	Mar 2023 – Feb 2025
BS	Korea University, Biomedical Engineering	Mar 2015 – Aug 2022
Pub	lications	
Haey IEEE	oiting Deblurring Networks for Radiance Fields <i>run Choi</i> , Heemin Yang, Janghyuk Han, Sunghyun Cho /CVF Conference on Computer Vision and Pattern Recognition (CVPR 2025) rshop on Image Processing and Image Understanding (IPIU 2025, oral)	2025
Anal Haey	cal Flow-based Shakiness Detection in Dash-cams for Hit-and-Run Accident ysis <i>run Choi</i>, Sunghyun Cho rshop on Image Processing and Image Understanding (IPIU 2024)	2024
vers Haey arXiv	/un Choi , Jio Gim, Yuho Lee, Youngin Kim, Young-Joo Suh preprint	2023
Awa	rds and Honors	
	tanding Paper Award, IPIU 2025 (link) 🖸	2025
	OSTECH AI Expert Program Scholarship \$7,800 x 4 (link) 🗹	2023 - 2025
Exce	llence Prize, POSCO Youth Academy AI Competition	2022

Grand Prize, Al for Health & SDGs Competition (link) 2021Hongsan Scholarships \$1,7002021Mirae Asset Exchange Student Scholarships \$3,600 (link) 2021

Experience _____

KT R&D Center, AI Research ScientistVisual localization for AI-based navigation in AR glasses	Seoul, South Korea Mar 2025 – Present
 POSTECH Institute of Artificial Intelligence, Research Scientist PI : Prof. Young-Joo Suh 	Pohang, South Korea May 2022 – Feb 2023

• Voice conversion using mel-spectrogram representation

Projects _____

 Real-time Danger Alert for Convenience Stores by Motion and Voice Recognition Designed a real-time violence detection system for store clerks Used top-down pose estimation and lightweight classification models Built a 20k image dataset and enabled SMS alerts with incident frames 	2022			
 Wear Your Mask On: Real-time Mask Detection & Warning System Built a real-time mask alert system for COVID-19, supporting public safety Enabled real-time video inference using MobileNet and Haar Cascade 	2021			
Extracurricular Activities				
 Team-Mate Mentorship Program (K-Digital Training ご, KCCIご) Selected as 1st cohort mentor ご in a national career development program Peer mentorship program, supporting junior trainees in career navigation Engaged in job camps ご and social contribution programs ご 	Aug 2024 – Present			
 Military Service (Republic of Korea Air Force) Sergeant as Operations Maintained 24/7 emergency standby status for mission deployment 	Aug 2016 – Aug 2018			

• Managed mission planning and scheduling for search and rescue operations