

Jaemin Cho

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RESEARCH INTERESTS	Computer Vision, Visual-SLAM, 3D Reconstruction, Autonomous Vehicle, Augmented Reality	
EDUCATION	Stony Brook University M.S. in Computer Science Advisor: Prof. François Rameau	Aug. 2024 - Present
	Inha University B.E. in Electronic Engineering <i>Study Abroad: Stony Brook University, Department of Computer Science</i>	Mar. 2018 - Jun. 2024 Spring 2023
RESEARCH EXPERIENCE	Korea Electric Power Corporation Research Institute <i>Research Intern</i> <ul style="list-style-type: none">Collaborated on KEPCO XR Safety Training System focusing on Human Pose Estimation.Contributed to an Auggie Award-winning project recognized as Best Education & Training Solution at AWE USA 2024.	Sep. 2023 - Feb. 2024 Daejeon, Korea
HONORS AND AWARDS	Graduate Tuition Scholarship, Research Assistant , Full Tuition Research Assistantship Stipend , Department of Computer Science Anti-Money Laundering Challenge Winner , Nepal Applied Mathematics and Informatics Institute for Research (NAAMII) Inha Program Scholarship Exchange Student Scholarship Grand Prize , Industry-driven Capstone Design Competition National Grant (Type II)	Aug. 2024 - Present Aug. 2024 - Present Jan. 2025 Sep. 2023 Jan. 2023 Jun. 2022 Mar. 2018
PROJECT	SLATE: Scalable Localization & Tracking for Autonomous Parking Environments <ul style="list-style-type: none">Designing <i>Mixture of Scene Coordinate Experts for Visual Localization on large-scale datasets</i>Proposal under review for the Austria–Korea Joint Mobility Program (2025–2027) 4D Multi-Car Accident Reconstruction from Dashcam Footage <ul style="list-style-type: none">Researching <i>Multi-view Alignment methods for Dynamic 4D Scene Reconstruction</i>Proposal under review for the Czech–Korea Joint Research Program (2025–2027) Visionin – Software Development Intern <ul style="list-style-type: none">Evaluated a Lane Keeping Assist System within a simulated Songdo road environment.Tuned YOLOv4-based fire detection accuracy by refining and augmenting fire datasets. Honeywell CO Detector – Industry-driven Design Competition <ul style="list-style-type: none">Developed Arm Cortex-M3 MCU with integrated sensors for reliable CO detection.	2025 - 2025 - Jul. 2023 - Aug. 2023 Mar. 2022 - Jun. 2022
MENTORING	4 Nepal B.E. Students – Led AML Challenge team; Hackathon Winner Aayusha Shrestha (former NAAMII) – Advised on SoP; admitted to UNLV M.S. CS Sandesh Bashyal (B.E. Paschimanchal Campus) – Guided on image diffusion	Jan. 2025 2025 2025 -
LANGUAGE PROFICIENCY	Native in Korean , fluent in English <ul style="list-style-type: none">GRE: Verbal 147, Quantitative 170, Writing 3.0OPIc (Oral Proficiency Interview – computer): AL (Advanced Low)	
LEADERSHIP EXPERIENCE	U.S. Army <i>Human Resource Specialist, assigned via KATUSA Program</i>	Jul. 2019 - Jan. 2021 Camp Carroll, Korea