

EDUCATION	<b>Eindhoven University of Technology</b> <i>M.Sc. in Artificial Intelligence and Engineering Systems</i> • Major: Artificial Intelligence and Engineering Systems	Eindhoven, Netherlands 2024.09 – Present
	<b>Yonsei University</b> <i>B.Sc. in Electrical and Electronic Engineering, Minor in Physics</i> • Thesis: <i>Accelerated mGRE Image Reconstruction for MWI via Deep Learning</i> • Advisor: Prof. Dong-hyun Kim • Final Grade: 98.1/100	Seoul, South Korea 2015.03 – 2023.08
EXPERIENCE	<b>KAIST (Visual AI Lab)   Daejeon, South Korea</b> • Undergraduate internship, advised by Prof. Minhyuk Sung. • <b>Hyperbolic Embedding Space for Language-driven Shape Manipulation:</b> found the projection of text to shape region in hyperbolic CLIP embedding space to reduce training time. • <b>Differentiable Discrete Poisson Solver:</b> devised fast differentiable Poisson equation solver, enabling deep learning integration.	2021.12 – 2022.12
	<b>Kakao Mobility   Seoul, South Korea</b> • Developed real-time continuous-time SLAM using bounded surface features for large-scale indoor mapping. • Implemented LiDAR distortion correction using IMU and LiDAR–LiDAR calibration.	2021.07 – 2021.08
	<b>Stryx   Seoul, South Korea</b> • Developed pointcloud registration algorithms for city-scale HD mapping. • Designed GPS noise detection and reduction methods for precise localization. • Improved SLAM feature extraction for indoor–outdoor map integration. • Worked on LiDAR+IMU localization algorithms for tunnels.	2020.01 – 2021.02
	<b>Republic of Korea Army   South Korea</b> • Mandatory Military Service (coast guard).	2018.12 – 2019.11
AWARDS	<b>Yonsei Honors Program – Merit-based Full Scholarship, Yonsei University</b>	2015.03
SKILLS	<b>Programming:</b> C++, Python, ROS, Linux, Git, LaTeX <b>Languages:</b> Korean (Native), English (C1), Dutch (A1)	
TRAVEL	<b>Backpacking   Asia, Europe</b> • Period of personal travel and exploration.	2023.02 – 2023.08