

EDUCATION	Eindhoven University of Technology <i>M.Sc. in Artificial Intelligence and Engineering Systems</i> • Current Grade: 9.23/10.0 (Dutch Grading System)	Eindhoven, The Netherlands 2024.09 – Present
	Yonsei University <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: 4.06/4.30 (Korean Grading System)	Seoul, Republic of Korea 2015.03 – 2023.08
EXPERIENCE	TNO <i>Team Internship, as a Part of AI&ES Program</i> • Traffic Light Perception System for Automated Driving in the Netherlands Delivered full-stack solution for traffic light perception: data collection, annotation, object detection, and 3D tracking.	Helmond, The Netherlands 2025.02 – 2025.06
	KAIST (Visual AI Lab) <i>Undergraduate internship, advised by Prof. Minhyuk Sung.</i> • Hyperbolic Embedding Space for Language-driven Shape Manipulation Derived the projection of text to shape region in hyperbolic CLIP embedding space to reduce training time. • Differentiable Discrete Poisson Solver Devised fast differentiable Poisson equation solver, enabling deep learning integration.	Daejeon, Republic of Korea 2021.12 – 2022.12
	Kakao Mobility <i>Research Intern</i> • Developed real-time continuous-time SLAM using bounded surface features for large-scale indoor mapping. • Implemented multi-LiDAR movement distortion correction using IMU and LiDAR–LiDAR calibration.	Seoul, Republic of Korea 2021.07 – 2021.08
	Stryx (acquired by Kakao Mobility) <i>Research Intern</i> • 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.	Seoul, Republic of Korea 2020.01 – 2021.02
	Republic of Korea Army <i>Coast Guard</i> • Mandatory Military Service.	Republic of Korea 2018.03 – 2019.11
	Method of estimating the location of a moving object using vector map (KR102624644B1) • Work done at Kakao Mobility.	2020
AWARDS	Yonsei Honors Program – Merit-based Full Scholarship , Yonsei University	2015.03

SKILLS	Programming: Python, C++, C#, ROS, Git, Unity Languages: Korean (Native), English (C1), Dutch (A1)
EXTRAS	<p>Backpacking Around the World 2017.07 – 2017.09, 2023.02 – 2023.08</p> <ul style="list-style-type: none"> • Personal exploration. <p>Playing/Listening Music Jazz/Rock/House Whenever I have time</p> <ul style="list-style-type: none"> • Playing Guitar, Bass and sometimes Djembe. <p>Guitar/Bass Effect Development Audio Circuit Design Whenever I have time</p> <ul style="list-style-type: none"> • Nonlinear analog circuit design for guitar/bass signal processing. • Simulation of effects/amplifiers for real-time deployment based on NAM. • Building effect pedals with designed circuits.