

YESUNG HWANG

yesung.hw@gmail.com
yesung31.github.io

EDUCATION	Eindhoven University of Technology <i>M.Sc. in Artificial Intelligence and Engineering Systems</i> <ul style="list-style-type: none">• Current Grade: 9.23/10.0 (Dutch Grading System)	Eindhoven, Netherlands 2024.09 – Present
	Yonsei University <i>B.Sc. in Electrical and Electronic Engineering, Minor in Physics</i> <ul style="list-style-type: none">• 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	KAIST (Visual AI Lab) Daejeon, South Korea <ul style="list-style-type: none">• Undergraduate internship, advised by Prof. Minhyuk Sung.• Hyperbolic Embedding Space for Language-driven Shape Manipulation: found 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.	2021.12 – 2022.12
	Kakao Mobility Seoul, South Korea <ul style="list-style-type: none">• 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
	Stryx Seoul, South Korea <ul style="list-style-type: none">• 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
	Republic of Korea Army South Korea <ul style="list-style-type: none">• Mandatory Military Service (coast guard).	2018.12 – 2019.11
AWARDS	Yonsei Honors Program – Merit-based Full Scholarship, Yonsei University	2015.03
SKILLS	Programming: C++, Python, ROS, Linux, Git, LaTeX Languages: Korean (Native), English (C1), Dutch (A1)	
TRAVEL	Backpacking Asia, Europe <ul style="list-style-type: none">• Period of personal travel and exploration.	2023.02 – 2023.08