

YEONGBIN KWON

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EDUCATION	Seoul National University Seoul, Republic of Korea <i>Undergraduate in Civil and Environmental Engineering</i> 2022.03 - 2026.02 (expected) <ul style="list-style-type: none">Relevant Coursework: Hydrology, Hydraulics and Laboratory, Water Resources Engineering, Coastal Engineering and Laboratory, Open Channel Hydraulics, Wave Mechanics Sejong Science High School Seoul, Republic of Korea <i>Early Graduate — Graduated a year earlier than the usual three years program</i> 2020.03 - 2022.02
PROJECTS	Low-Cost Stereo Imaging for Coastal Wave Field Reconstruction and Quantification of Wave Breaking <i>Seoul National University Undergraduate Independent Research Grant</i> 2025.05 - 2025.12 (expected) <ul style="list-style-type: none">Using stereo imagery to reconstruct wave fields and analyze wave breaking phenomena in real coastal environments. Low Impact Development (LID) Strategies for Stormwater Reduction and Reuse on Campus <i>SNU Integrated Design of Civil Engineering Systems Course</i> 2025.09-2025.12 (expected) <ul style="list-style-type: none">Evaluating and comparing the performance of various LID strategies at the SNU campus, using SWMM simulations based on varied inputs.
INTERNSHIPS AND EXPERIENCES	Undergraduate Research Intern Columbia University, New York City 2025.06 - 2025.08 <ul style="list-style-type: none">Used AURORA, one of the most recent foundational models in climate, to explore weather dynamics and how perturbations affects the dynamics.Worked with Prof. Upmanu Lall's group in the Department of Earth and Environmental Engineering and submitted two conference abstracts for AGU 2025. Currently writing on predictability of the model and perturbation concepts. Trilateral Students Activity in Seoul Seoul, Republic of Korea 2024.08 <ul style="list-style-type: none">Participated in a group seminar between Seoul National University, National Taiwan University, and University of Tokyo civil engineering students, as the team leader of the Geotechnical Engineering group, leading group discussions and presenting the results in the final session. Visiting Student University of California, Berkeley 2024.06 - 2024.08 <ul style="list-style-type: none">Selected as a recipient of SNU Study Abroad Program grant.Took classes including <i>Introduction to Partial Differential Equations</i> at UC Berkeley; lived in the International House and participated in diverse cultural activities.
AWARDS AND HONORS	<ul style="list-style-type: none">Merit-Based Tuition Scholarship Fall 2025Outstanding Volunteer Award 2025.07Global Short-Term Study Abroad Scholarship Spring 2024Merit-Based Tuition Scholarship Spring 2024Kwanak Scholarship Fall 2023
SKILLS	Languages: Korean (native), English (native), Japanese (proficient and fluent). Programming and Typesetting: \LaTeX , Python, MATLAB, R, C, HTML/CSS, Deep Learning.