

# YEONGBIN KWON

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