

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)
• 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
Early Graduate — Graduated a year earlier than the usual three years program 2020.03 - 2022.02

PROJECTS

Low-Cost Stereo Imaging for Coastal Wave Field Reconstruction and Quantification of Wave Breaking	2025.05 - 2025.12 (expected)
SNU College Undergraduate Independent Research Grant	

• 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

SNU Integrated Design of Civil Engineering Systems Course 2025.09-2025.12 (expected)

• 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
• 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 National University, Republic of Korea	2024.08

• Participated in a trilateral seminar between SNU, National Taiwan University, and University of Tokyo as the Geotechnical Engineering team leader, leading discussions.

Visiting Student | University of California, Berkeley 2024.06 - 2024.08

• Selected as a recipient of SNU Study Abroad Program grant.

• Took classes including *Introduction to Partial Differential Equations* at UC Berkeley; lived in the International House and participated in diverse cultural activities.

COMMUNITY SERVICE

Undergraduate Mentor Seoul National University Social Responsibility	2025.05 - Present
• Mentoring children in middle school, focusing on interaction and communication with the student.	
Undergraduate Volunteer Seoul National University Social Responsibility	2025.03 - 2025.06

• Mentored a middle school student in Korea from a Bolivian-Korean multi-cultural family for three months. Helped the student based on cultural interactions, especially focusing on education.

• Outstanding Volunteer Award recipient (2025.07)

ACADEMIC
HONORS
AND
AWARDS

Merit-Based Tuition Scholarship SNU	Fall 2025
Outstanding Volunteer Award Seoul National University Social Responsibility	2025.07
Short-Term Study Abroad Scholarship SNU Office of International Affairs	Spring 2024
Merit-Based Tuition Scholarship SNU	Spring 2024
Gwanak Scholarship (Merit-Based) Gwanak Society	Fall 2023

SKILLS

Languages: Korean (native), English (native), Japanese (proficient and fluent).
Programming and Typesetting: L^AT_EX, Python, MATLAB, R, C, HTML / CSS, Deep Learning.