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CURRICULUM VITAE

YESEUL KWON

Master's Student in Environmental Modeling
Seoul National University of Science and Technology
Email: kys000809@naver.com

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RESEARCH INTERESTS

Human Social Sensing, Human and Water Interactions (Sociohydrology),
Hydrologic and Water Quality Monitoring and Modeling

PROFESSIONAL EXPERIENCE

03/2025−08/2025   **Researcher(Post-Bachelor)**
Environmental Technology Research Institute, Seoul National University of Science
and Technology, Korea

EDUCATION

02/2022−02/2025   **Seoul National University of Science and Technology**, Korea
Bachelor of Environmental Engineering

RESEARCH EXPERIENCE
Environmental Modeling Laboratory, SeoulTech
Undergraduate & Graduate Researcher
• Conducted text-mining analysis of drought-related news articles to explore social
perceptions of drought.
• Analyzed correlation between meteorological drought indices (SPI) and public
responses.
• Currently developing an integrated water-environment framework combining
hydrology, water quality, and ecology under compound drought–flood scenarios.

TECHNICAL SKILLS
• *Data Analysis (Machine Learning, Topic Modeling, Time-Series Analysis)*
• *Programming(Python)*
• *Modeling Tools(SWAT, WASP)*
• *GIS Tools(QGIS)*

CONFERENCES
Yeseul Kwon, Juseong Lee and Hanseok Jeong, "*Analyzing the Relationship Between
Meteorological Drought Indicator and Social Perception of Drought*", Korea Water
Resource Association (KWRA) Spring Conference 2025, Yeosu, South Korea, May
21 – 23, 2025 (Poster)

Yeseul Kwon and Hanseok Jeong, "*Information Extraction from Unstructured Data on Domestic Drought through Text Mining*", Joint Symposium on Environmental Engineering – SOEULTECH & Muroran Institute of Technology (JSEE) 2025, Online, January 10, 2025 (Oral)
Yeseul Kwon and Hanseok Jeong, "*Analyzing the Relationship Between Meteorological Drought Indicator and Social Perception of Drought*" Joint Seminar on Environmental Engineering – SOEULTECH & PHENIKAA University 2025, Hanoi, Vietnam, January 13 – 16, 2025 (Poster)

AWARDS AND HONORS

01/2025   **Best Student Oral Presentation Award**
Joint Symposium on Environmental Engineering – SOEULTECH & Muroran Institute of Technology (2025)

LANGUAGE PROFICIENCY

• **Korean: Native**
• **English: Advanced (TOEIC 840)**