



# Yeonju Kim

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## EDUCATION

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### Master's degree program

Sep 2021 – Aug 2023

Seoul National University, Seoul, South Korea

GPA: 3.83/4.0

Advisor: Prof. KIM, Young-Oh

Thesis: Analysis of Ensemble Streamflow Prediction Effect on Deriving Releases for Water Supply

### Bachelor's degree program

Mar 2016 – Aug 2021





Yeungnam University, Gyeongsan, South Korea

GPA: 3.81/4.0

Advisor: Prof. SEO, Yongwon

## TECHNICAL SKILLS

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-  **License** Engineer Civil Engineering
-  **Programming Languages** R, Python, Excel
-  **Publication tool** Latex
-  **Academic Skills** Optimization, Data science, Stochastic approach, QGIS

## EXPERIENCE

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**University of Seoul** | *Researcher*

Sep 2023 – Present

**Korea Hydro & Nuclear Power** | *Intern*

Apr 2021 – Jun 2021

## CONFERENCES

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**Asia Oceania Geosciences Society (AOGS) 2023** | *Singapore*

- Optimal Reservoir Operations for Water Supply Under Forecast Uncertainty in Korea Poster

**World Environmental and Water Resources Congress (EWRI) 2023** | *Henderson*

- Ensemble Streamflow Prediction in Korea: Step Ahead From Hydrologic Forecasting to Reservoir Operations Oral

**Korea Water Resources Association (KWRA) 2022** | *Busan*

- A study on improving the water circulation management index of the Water Environment Conservation Act Poster

**Asia Oceania Geosciences Society (AOGS) 2022** | *Online*

- Urban Water Cycle Analysis Using SWMM: A Case Study of Seoul National University Gwanak Campus Oral

## PROJECT

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**Korea Environmental Industry & Technology Institute** | *Researcher* Sep 2023 – Present

- Development of Scenario Neutral-based Drought Vulnerability Evaluation Technology for Multilateral Decision Making

**Ministry of Environment** | *Researcher* Apr 2023 – Aug 2023

- Developing a Severity-Based Emergency Response Protocol for Water Shortage using Linked Operations of Water Supply Facilities

**Seoul National University** | *Researcher* Dec 2022 – Mar 2023

- Study on Flood Countermeasures for a Case Study of Seoul National University Gwanak Campus

**Ministry of Environment** | *Researcher* Jun 2021 – Jun 2022

- Study on the establishment of a comprehensive plan for creating a safe space for water

## PUBLICATIONS

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- **Kim Y. J.**, Kim, G. J., & Kim, Y. -O. (2023) Analysis of ensemble streamflow prediction effect on deriving dam releases for water supply. *Journal of Korea Water Resources Association*. Vol. 56, No. 12, pp. 969-980. doi: 10.3741/JKWRA.2023.56.12.969
- Lee, J. H., **Kim, Y. J.**, & Kim, G. J. (2022). Application of Water Resource System Modeling for Drought Response at Boryeong Dam. *Water for future*, 55(9), 65-75.