YUN-ROU LIN

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WEB https://zol201.github.io/

PROFILE

Graduate student in Environmental Engineering and Science Program at the University of Illinois Urbana-Champaign (U of I). Proficient in hydraulic modeling software, with strong analytical and problem-solving skills.
Passionate about developing innovative solutions for flood risk reduction, sewer system planning & design, and disaster management. Looking for opportunities in environmental & hydraulic engineering.

EXPERIENCE

Project Engineer Intern

Sustainable Systems LLC – Consulting| Chicago, IL   May 2025 – Aug 2025

- Updated as-built urban sewer system model in InfoWorks ICM to reflect the latest engineering modification.
- Performed sewer system simulation in InfoWorks ICM to evaluate mitigation measures, recommending modification that reduce the sewer surcharge and prevent basement flooding.
- Processed, analyzed, and visualized spatial datasets and the simulation output file in ArcGIS to support model development and mitigation strategies.

Assistant Engineer

Liming Engineering Consultant co., Ltd. | Taiwan   May 2021 – Aug 2024

- Focused on flooding mitigation projects, including data organization, GIS-based spatial analysis (ArcGIS), and hydraulic model simulations (HEC-RAS, SOBEK).
- Evaluated engineering measures which including farmland detention construction, pump station construction, embankment elevation, and installation of automatic gates to prevent the pluvial flooding and coastal flooding in Taiwan.

EDUCATION

B.S. Marine Environment and Engineering

National Sun-Yat Sen University |Kaohsiung, Taiwan(ROC)   Sep. 2014 – Jun. 2018

M.S Civil Engineering

National Yang Ming Chiao Tung University |Hsinchu, Taiwan(ROC)   Sep. 2018 – Jun. 2020

M.S Environmental Engineering and Science

University of Illinois Urbana Champaign |Illinois   Aug. 2024 – Dec. 2025(Expected)

SKILL

Hydraulic Modeling (HEC-RAS, SWMM, InfoWorks ICM, SOBEK) • **GIS** (ArcGIS, QGIS) • **Programming** (Python, MATLAB, HTML) • **AutoCAD**
Passed NCEES Fundamentals of Engineering (FE) – Civil; EIT application in progress, ILLINOIS