

# Jinhao Zhang

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## EDUCATION:

**Wuhan University** (Wuhan, Hubei - China)

**Bachelor of Science** in Water Resources and Hydropower Engineering 2021-2025

- *Academic performance ranked in the top 25 percentile of the grade, exempted to Wuhan University to study for PhD degree in the field of hydrology and water resources.*

## EXPERIENCE:

**Wuhan University** (Wuhan, China)

### **Organizer**

Bishui Danxin, JiangZe interrogation practice activities June 2022 – Sept 2022

- As the main person in charge, I organized a practical survey on the impact of the South-to-North Water Diversion Migration Project and a field visit to the Gezhouba Dam Project and Danjiangkou Reservoir.
- This practical activity was awarded the second prize of the College of Water Resources and Hydropower of Wuhan University.

### **Participant**

Cognitive practice June 2023- July 2023

- As a participant, we conducted a field trip to the Three Gorges Project and visited the Chinese Sturgeon Research Institute to deepen our knowledge of water ecology.

Engineering Geology Internship Oct 2023- Nov 2023

- As a participant to the geological tour of the Zigui area and to understand the geological basis of the Three Gorges Project.

## PROJECTS:

### **Remote sensing observation and simulation of flooding in Dongdian flood storage.**

**Research Assistant** Sept 2023 - Nov 2023

- This project aims to simulate the flooding process based on satellite remote sensing. In this project, I was mainly responsible for labeling the elevation and flood level of some areas of Dongdian flood storage (about 3000 points manually). I used Arcgis and Google earth software to implement the remote sensing program. Google earth software to realize the task of remote sensing data labeling and corresponding remote sensing image zoning.

### **Numerical modeling for water sciences (basin runoff forecasting)**

**Participant** Apr 2024 - June 2024

- The project aims to develop a mathematical model based on the provided GIS data, including DEM, watershed, river and hydrological stations and other basic Geographic information for watershed delineation and hydrologic modeling inputs from provided hydrometeorological data, including water data, rainfall data, and evapotranspiration data, hydrological modeling inputs. In this project, we mainly use the Xinan River model as the basis for simulation, and combined with relevant literature. We derived relatively accurate forecast values.

### **AWARDS:**

Outstanding Student Cadre of Wuhan University

Outstanding Youth Volunteers of Wuhan University

Social Activity Activist of Wuhan University

Advanced Individual in Theoretical Learning of Wuhan University

Outstanding Communist Youth League Cadre of Wuhan University

Wuhan University Excellent Pacemaker

Advanced Individual of Golden Autumn in College of Water Resources and Hydropower of Wuhan University

Tian Jiabing Scholarship

### **COMPUTER SKILLS:**

MATLAB, Python, GAMS, SQL, AutoCAD, MS Office

### **Other SKILLS:**

English - second language, fluent oral and written communication skills

Mandarin - native language, Guitar, Hulusi, Taekwondo