Haonan Guo

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Education and Awards

- **Montana State University**
  Ph.D. in Civil Engineering (Aug. 2024 - present)
  Benjamin Fellow
- **Northwest Institute of Eco-Environmental Resources and Research, CAS**
  MS in Physical Geography (Sep. 2020 – June 2023)
  GPA 3.72/4.00
  Outstanding Student and Outstanding Student Leader
  An excellent report award at the 2nd Evapotranspiration Conference
- **Shanxi Normal University**
  BS in Physical Geography (Sep. 2016 – June 2020)
  GPA 3.50/4.00
  Third prize in the National Mathematics Competition for college students

Experience

- From 2020 to 2023, I participated in the second comprehensive scientific investigation project on the Qinghai-Tibet Plateau, "Dynamic Changes and Impacts of Water Towers in Asia, and assisted in completing a lot of field investigation, sampling, and equipment maintenance.
- During my master's degree, I systematically studied cryosphere science, cold region hydrology, and basin hydrology, completed the research on energy balance and actual evapotranspiration of Dongkemadi River Basin in the source region of the Yangtze River, and published the "Characteristics of Surface Energy Balance of Typical Alpine Swamp Meadows in the Source Region of the Yangtze River and its Influencing Factors" (CSSCI). Published "Characteristics of Evapotranspiration and Crop Coefficient Correction at a Permafrost Swamp Meadow in Water Dongkemadi Watershed, the Source of Yangtze River in Interior Qinghai-Tibet Plateau" (SCI, JCR Q2).
- In 2022, I participated in the second Land Surface Evapotranspiration Conference and submitted a report on Evapotranspiration Characteristics and crop Coefficient Correction of Typical Alpine Swamp Meadows in the Permafrost Area of the Yangtze River Source, and won the report of outstanding students;
- Now at Montana State University continue to study snowpack hydrology.

Skills

- Computer skills: Proficient in ArcGIS (ArcPy), ENVI, SPSS, MATLAB, Computer Level II certificate, etc.
- Other skills: Field equipment data acquisition and maintenance, field runoff observation, glacier measurements, and skilled use of PS, AI, and other mapping software.