

Personal Resume



Basic Information

Name: Liu Jianing

Date of Birth: 2000.11

Ethnicity: Han

Email: 2450560998@qq.com

Gender: Female

City of Residence: Hebei Province, China

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Educational Background

2020.09-2024.06 Hebei GEO University Geographic Information Science / Undergraduate

Academic Performance: GPA 3.36/4.0; CET-6 (487 points); Senior High School Teacher Qualification Certificate; Recipient of the University Second-Class Scholarship three times

Core Courses: Geographic Information System, Principles of Remote Sensing, Remote Sensing Image Processing, Physical Geography, Geo-Science Principles of Remote Sensing, Cartography, Geomorphology, Secondary Development of GIS, C Programming Language, C# and Windows Program Development, Secondary Development

2024.7—now XinJiang University Master of Resources and Environment

Academic Performance: GPA 3.48 out of 4.0; IELTS score: 6.0; Manuscript under second review for Journal of Hydrology: Regional Studies (Q2 Top Journal)

Core Courses: Frontier Applications of Geographic Information Engineering, Spatial Information Science, Principles and Applications of Spatial Databases, Multivariate Statistical Analysis of Geoscience Data, Spatial Analysis, Photogrammetry and UAV Technology, Remote Sensing Modeling and Product Generation

Campus Experience

2023.01-2023.09 College Students' Innovation and Entrepreneurship Training Program

Teaching Practice Activity: Conduct remote sensing monitoring of soil moisture in the Haihe River Basin using vegetation coverage and temperature, and detect soil moisture based on the range of TVDI.

2024.07—now Xinjiang Institute of Ecology and Geography, Chinese Academy of Sciences

- **Teaching Practice Activity:** Combining InSAR time series and hydrological data, the deformation rates of two subsidence funnels in agricultural areas of the Tacheng-Emin Basin (with a peak value of -28 mm/yr) and the lag of water level response (12–26 days) were quantified. The elastoplastic water storage characteristics of aquifers were assessed by zoning. It was found that the irrecoverable proportion of annual groundwater storage loss reached 63.6%, providing crucial quantitative support for the sustainable utilization of water resources in arid regions. (The second review of Zone II TOP is in progress)
- **Participated Projects:** Research on Tunnel Length Measurement of Guozigou Strategic Safety Pipeline Project on West Second and Third Lines (Inversion combining InSAR time series and Mogi model, cross-verified with three-dimensional tunnel modeling to accurately measure the tunnel length of Guozigou Lead-Zinc Mine in Huocheng, Xinjiang as 3183 m (with a measured deviation of 5.2%), and identified subsidence funnels. Crop Feature Recognition in Ili (Ongoing)

Skill Certificates

Certificates: Senior High School Teacher Qualification Certificate, College English Test Band 6 (CET-6, score: 487), IELTS (6.0), Mandarin Proficiency Test Level 2 Grade A Certificate.

Teaching & Technical Competencies: Proficient in software including ArcGIS, ENVI, WPS and Excel; skilled in downloading and processing data via platforms and tools such as GEE and PyCharm.

Office Tools: Adept at office software including PPT, Word and WPS.

Self-evaluation

Possess solid academic research and learning capabilities, maintain rigorous standards in coursework, rank among the top students in the major, and have relevant academic experience.

Diligent, responsible, meticulous and prudent with a calm mindset; equipped with strong willpower to concentrate on academic research and excellent self-study skills.