RESUME

Kai Ren   Ph.D Candidate

Date of Birth: May 17, 1993
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EDUCATIONS

2020/09 - Present

Northwest A&F University

State Key Laboratory of Soil Erosion and Dryland Farming on the Loess Plateau, Institute of Soil and Water Conservation | College of Natural Resources and Environment

Major in Land Resources and Spatial Information Technology

2016/09 - 2019/06

NanJing Normal University (Master Degree)

Key Laboratory of Virtual Geographic Environment, Ministry of Education | School of Geography

Major in Cartography and Geographic Information System

2012/09 - 2016/06

Northwest A&F University (Bachelor Degree)

College of Natural Resources and Environment

Major in Geographic Information System

RESEARCH EXPERIENCE

2021/05 - Present	Temperature Interpolation Inversion in the Loess Plateau
2020/09 - Present	Xinjiang Cotton Digital Agriculture Decision Management System
2017/04 - 2018/05	Remote Sensing Monitoring and Early Warning System of Cyanobacteria Bloom in Dianchi Lake
2016/09 - 2017/01	Groundwater Vulnerability Assessment in Pizhou City
2013/12 - 2015/06	Numerical Simulation and Mechanism of Micro Topography on Loess Slope Farmland

RESEARCH INTERESTS

- Climate Change and Meteorological element interpolation
- Remote Sensing, GIS
- Research and development of agricultural management system software

WORK SKILLS

- Proficiency in ArcGIS, Erdas and ENVI
- Master programming language Python, R, C and Java
- Proficient in using programming software RStudio, Pycharm, Visual Studio and MATLAB etc.

COMPUTER COPYRIGHT

2019	Structural plane recognition and intelligent analysis system of layered geological body
2018	Simulation system of cyanobacteria bloom drift in Dianchi Lake
	Simulation system of total suspended solids in large water body
2017	3D modeling and analysis system of underground space | Hydrogeological modeling and simulation system
	Dynamic visualization system of geoscience model simulation
	Multi dimensional grid adaptive generation system for Geoscience simulation

AWARDS AND HONORS

2023	One of the organizers of an International Academic Conference, City+2023@Perth, Australia, with the theme of Geospatial Big Data and Artificial Intelligence for Cities
2022	Won the Bronze Award in the 11th Challenger Cup Shaanxi University Student Entrepreneurship Plan Competition
2022	Participated in the 10th Challenge Cup College Student Entrepreneurship Plan Competition of Northwest A&F University and won the silver award in the final
2021	First-class scholarship of Northwest A&F University
2019	Outstanding graduate of Nanjing Normal University
2018	Excellent postgraduate of Nanjing Normal University (Four times)
2016	Outstanding Undergraduate Thesis of Northwest A&F University
	First-class scholarship of Nanjing Normal University (Two times)
2015	The National Science and Technology Innovation Project Numerical Simulation and Mechanism Research of Loess Slope Cultivated Land Microtopography won the Excellence Award
2014	Organize the activity of Three Visits to the Countryside in Ansai Experimental Station, and won the Excellent Award