**Jiaheng liu**

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**EDUCATION**

**UNIVERSITY OF ILLINOIS** Urbana-Champaign, IL

 M.S. in Geographical Information Science Candidate, December 2022

 Illinois Professional Science Master’s Concentration

**EAST CHINA NORMAL UNIVERSITY** Shanghai, China

 B.S. in Geographical Information Science June 2020

**EXPERIENCE**

**EAST CHINA NORMAL UNIVERSITY** Shanghai, China

**Research Assistant** August 2020 – June 2021

* Conducted a research on hydrological response of the future Land Use Change in Yangtze River Watershed by coupling of land use simulation model (FLUS) and hydrological model (SWAT)
* Used Python to analyze the future land use demand in Yangtze River Watershed under the SSP-RCP scenario framework
* Participated in the study on high precision remote sensing image interpretation by carrying out visual interpretation of remote sensing images and automatic classification of land use types using eCognition software

**EAST CHINA NORMAL UNIVERSITY** Shanghai, China

**Teaching Assistant** September 2020 – January 2021

* Made courseware and coursework of *Research Methods and Practice of Geographical Science*
* Taught and guided the use of Future Land Use Simulation (FLUS) model in a class of 30 students

**VOLUNTEER UNION OF XUECHENG COUNTY** Zaozhuang, China

**Active Volunteer and Cartographer** March 2020 – April 2020

* Collected the COVID-19 pandemic data of Shandong province using Python crawler and produced a real-time Shandong epidemic data map
* Sprayed disinfectant in key factories, villages and communities

**RURAL TOURISM LAND**–**USE PLANNING BASED ON GIS** Zaozhuang, China

**Project Leader** August 2018

* Studied the site selection for rural tourism development in villages by using buffer analysis, network space analysis and overlay analysis in ArcGIS
* Located the target areas by combining the factors of landscape, community participation, and traffic conditions

**ADDITIONAL**

* Publication: **Liu J**., Y. Ding, X. Wei & S. Cao. (2019). Planning Practice of Rural Tourism Land Use Area Based on GIS. Beijing Surveying and Mapping. 33 (10): 1268-1271.
* Fluent in English and Chinese
* Proficient in ArcGIS, ENVI, Python, R, PostgreSQL, CorelDraw, Adobe Photoshop, Adobe Premiere, Adobe After Effects; Beginner in C#, MATLAB, VISSIM
* Xihe Astronomy Enthusiast Society, ECNU, Deputy Director, September 2016 – September 2018
* Advertising Division of Student Affairs, School of Geographical Science, ECNU, Director, September 2016 – September 2018