YING BAI
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EDUCATION

College of Art and Science, **The Ohio State University**   08/2024-06/2026

Master of **Geographic Information Science and Technology**

College of Environment and Resources, **Guangxi Normal University**   09/2019-06/2023

Bachelor of Science in **Geography**   GPA: 3.77/5.00

International Quantitative Remote Sensing Summer School   06/2023-07/2023

Hosted by Wuhan University, the University of Maryland, and the University of Hong Kong

PAPERS

Fengcai Li, Hongli Wang, **Ying Bai**, *Geographical Distribution Features of Nutritional Status of Children and Adolescents Aged 10-19 in China Based on GIS (Geographic Information System)*, **Published** in Contemporary Sports Technology, ISSN: 2095-2813, November 2023

Yanhong Jia, **Ying Bai**, *Risk Assessment of Flood and Water-logging Disaster in Guangxi Province based on AHP-entropy Method*, **Published** in Geomatics & Spatial Information Technology, ISSN: 1672-5867, October 2023

Ying Bai, *Drought Risk Assessment in Pearl River Basin*, Manuscript Submitted

RESEARCH

Research Assistant, **Eco-culture Construction and Economic Development in the Pearl River-West River Economic Zone**

- Organized the economic geographic data in the Pearl River-West River Economic Zone.   03/2022-09/2022
- Draw thematic maps of the Pearl River-West River Economic Zone based on GIS, reflecting the spatial distribution and changes in the elements of geography

Research Assistant, **Data Collection and Analysis of Natural Disasters in Guangxi**   09/2021-03/2022

Guangxi Key Laboratory of Landscape Resources Conservation and Sustainable Utilization in Lijiang River Basin

- Collected meteorological data of cities in Guangxi Province in the Lijiang River Basin.
- Processed the meteorological data with MATLAB and researched the development process of different elements based on time series analysis

COMPETITIONS

Team Competition: The 10th National College Students' GIS Skill Competition   11/2021

- Collected spatial data and built a spatial database in ArcGIS integrating the collected data and the data provided by the competition organizer; Conducted overlay analysis, buffer analysis, network analysis, etc; Produced thematic maps and wrote technical documentation
- Won the **National First Prize**

Individual Competition: The 1st GIS and Application Skills Competition   09/2021

- Implemented processing, organization, and management of spatial data, map production and output, and spatial analysis, and wrote technical documentation

INTERNSHIP

Guilin Guolong Foreign Languages School   03/2022-07/2022

Geography Teacher in Geography Teaching and Research Group & Assistant in GIS Lab

- Taught students the knowledge of physical geography and guided students to operate ArcGIS

SKILLS & CERTIFICATES

Programming: Python, R, SQL, MATLAB, SPSS

GIS: ArcGIS Pro, Google Earth Engine, ENVI, Erdas, QGIS

Design: Adobe Illustrator, Tableau, Power BI, AutoCAD

Certificates: Primary Certificate of Informatization Professional Skills, National Computer Rank Examination Certificate Level 2, Teacher Qualification Certificate for Geography in Senior High School