Hantao Wang

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EDUCATION

University of Michigan

Master of Science: Geospatial Data Science (2024-2026)

- Courses: GPA: 4.0/4.0. Principle of GIS, Geovisualization of the Environment, Remote Sensing

Sun Yat-sen University

Bachelor of Science: Urban and Rural Planning (2019-2024)

- Courses: Smart City Planning and Big Data Application, Infrastructure Planning, Urban Spatial Analysis
- Honors and Awards: GPA: 85/100, Third Prize of Excellent Student Scholarship, Monitor of 2019 Planning Class

PROFESSIONAL EXPERIENCE

CUSHMAN & WAKEFIELD **Guangzhou, China**

Intern in Enterprise Service Department *May 2024 - Jun 2024*

- Responsible for real-time summary and update of monthly reports for Ping An Insurance Company of China, Ltd
- Collected source information and create a database of office buildings in Guangdong
- Acted as an intermediary to complete inquiries and site selection evaluations for the target office building and fill in the completion report and final evaluation report of the office building project

Guangzhou Urban Planning & Design Survey Research Institute **Guangzhou, China**

Intern in Land and Space Planning and Design Department *Jul 2022 - Aug 2022*

- Consulted public database resources, conducted comprehensive searches of policy documents and practical cases related to the protection and trading of farmland and generated a research report of 50,000+ words
- Used measurable data analysis including migration big data, China's population census data and statistical yearbooks to form a research report in the research on the development strategy of Yichang City

RESEARCH & PROJECTS

Research on the Decoupling of China's Transportation Carbon Emissions and Economic Development from 2000 to 2020 *Aug 2022 - Nov 2023*

- Calculated the annual transport carbon emissions of railways, aviation, water transport and roads in China
- Analyzed the temporal and spatial changes of China's transport carbon emissions from 2000 to 2020, and used the Tapio decoupling model to explore the decoupling status of China's transport carbon emissions
- Completed a paper and published in Science & Technology Review

2023 Esri Cup GIS Software Development Competition for Chinese College Students: Study on the Correlation between Urban Air Quality and Vitality Based on Multi-source Spatio-temporal Data *May 2023 - Aug 2023*

- Used the analysis methods of exploratory regression and geographical weighted regression to explore the overall air quality of Guangzhou before and after the epidemic in 2019-2021
- Compared the effects of influencing factors on air quality to provide certain data support and reference for the formulation of air pollution prevention and control strategies in Guangzhou

College Students Innovation and Entrepreneurship Training Program: Evolution of Spatial Patterns of Growth and Contraction of Cities in Guangdong Province and Its Influencing Factors *Jun 2020 - Jan 2021*

- Analyzed urban expansion patterns in Guangdong Province using impervious surface data and processed Satellite remote sensing data, modeled the city's population and GDP using nighttime lighting
- Constructed the evaluation system for urban contraction by selecting indicators in four dimensions and used the entropy weighting method to determine the weights of the indicators

TECHNICAL SKILLS

- **Map Creation Softwares**: ArcGIS (ArcMap, ArcPro, ArcGIS Online), QGIS
- **Coding Languages**: R, Python
- **Other**: Auto CAD, SPSS, Sketch Up, Photoshop, Microsoft Office