YUYE ZHOU

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Research Interest

Climate Change Adaptation; Flood Resilience; Environmental health; Inequality;

Explainable Artificial Intelligence (AI); Geo-AI; GIS; Social Sensing; Causal Inference

Education

Nanjing University (U.S. News 123#; Project 985, 211)   **Nanjing, China**

Master in Urban Planning (Times THE Ranking A+)   *September 2021 - Expected June 2024*
- **Lab:** Smart City and Digital Planning Lab, School of Architecture and Urban Planning   **GPA: 3.80/4.0** (3/27)
- **Coursework**: Python-based Geo Big Data Analysis, Smart City Planning, Urban Complex System Analysis, etc.
- **Thesis:** Neighborhood and Policy Impacts on Sentiment Alterations in Response to Public Health Emergencies Using Social media data and Explainable Artificial Intelligence

Zhejiang University (U.S. News 93#; QS 44#; Project 985, 211; Top 3 in China)   **Hangzhou, China**

B. Eng. in Urban Planning, Highest Distinction   *minor in* **Law**   *June 2021*
- **Curriculum GPA**: 3.80/4.0   **Urban Planning Major-GPA: 3.87/4.0**   **Ranked: 2/25**
- **Thesis:** Integrating SCS-CN and GIS Methods for Flood Resilience Assessment under Climate Change Scenarios

Summer School | UCLA Luskin School of Public Affairs   **Los Angeles, CA   Summer 2019**
- **Coursework:** Urban planning and policy, Urban data analysis   **GPA:4.0/4.0**

Publications

- **Zhou Y.**, Xu J.*, et al. Spatial-Temporal Pattern Evolution of Public Sentiment Responses to the COVID-19 Pandemic in Small Cities of China: A Case Study Based on Social Media Data Analysis. *International Journal of Environmental Research and Public Health*. 2022; 19(18):11306. https://doi.org/10.3390/ijerph191811306

- **Zhou Y.**, Wang Y., Xu J.*. Scenario Simulation of Compound Flood Risk Based on Climate Resilience —— A Case Study of the Yangtze River Delta, China. *58th World Planning Congress(Brussels).* 2022.10. https://doi.org/10.47472/mLY6efyG

- Wang Y., Xu J.*, Liu D., **Zhou Y.**. Analysis and Comparison of the Industrial Economic Resilience in the Taihu Lake Basin under the 2008 Financial Crisis and the 2018 Sino-US Trade War. *Land.* 2023; 12, 481. https://doi.org/10.3390/land12020481

- Huang L., Tong C., **Zhou Y.,** et al. Evaluation of Resilience of medical facilities in Hangzhou based on AHP-CRITIC and Matter-Element Analysis. *Proceedings of 2021 Annual Meeting of Urban Planning Association of China (01)*. 2021:13, pp.226-238. doi: 10.26914/c.cnkihy.2021.023987 (In Chinese)

- **Zhou Y.,** Li Y., Wang Y., Empirical Research on Innovation Cluster Area Planning Based on Collaborative Innovation Theory, *Urban and Regional Planning.* 2019, 4(4), pp. 152-161. https://doi.org/10.11648/j.urp.20190404.14

Working Paper

- **Zhou Y.,** Wang Y., Ju Yang.*, Liang L et al. The Effect of Socioeconomic and Built-environment Factors on Subjective Well-being During the COVID-19 Pandemic: New Evidence Using Social sensing and Explainable Artificial Intelligence. (**Project leader**, Working with **Dr. Ju Yang**, and Dr. Wang Yiwen, In Preparation)