

# YUE JING

Assistant Professor  
Department of Geography & Geographic Information Science  
College of Arts & Sciences  
University of North Dakota

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## EDUCATION

- 2021 – 2025      Ph.D. in Geography  
Department of Geography, University of Florida  
Dissertation: Social and economic dimensions of commuting efficiency  
Great teaching certificate
- 2015 – 2018      M.S. in Human Geography  
Institute of Geographic Sciences and Natural Resources, Chinese Academy of Sciences  
Thesis: Exploring competitive patterns and mechanisms between high-speed rail and air transportation
- 2011 – 2015      B.S. in Urban and Rural Planning & Resource Management  
School of Geography, Beijing Normal University  
Thesis: A comparative research of inter-city networks from the perspective of railway and air passenger flow

## ACADEMIC APPOINTMENTS

- 2025 – present      Assistant Professor  
Department of Geography & Geographic Information Science, University of North Dakota

## RESEARCH AND TEACHING INTERESTS

GIScience, transportation, human mobility, spatial network, and urban informatics

## PUBLICATIONS

### Journal Articles

- 2026      **Jing, Y.**, Hu, Y., Chen, C., and Cohan, D. S. “Evaluating human mortality impacts from air pollution as US commuting reaches its extremes.” *Journal of Transport Geography* 131, 104541. <https://doi.org/10.1016/j.jtrangeo.2025.104541>
- 2024      **Jing, Y.** and Hu, Y. “Multiscale complex network analysis of commuting efficiency: urban connectivity, hierarchy, and labor market.” *Annals of the American Association of Geographers* 114 (8), 1681–1692. <https://doi.org/10.1080/24694452.2023.2284296>
- 2024      Qiu, J., **Jing, Y.**, Peng, W., Du, L., and Hu, Y. “Identifying critical transfer zones to coordinate transit with on-demand services using crowdsourced trajectory data.” *Journal of Intelligent Transportation Systems* 28(3), 386–408. <https://doi.org/10.1080/15472450.2022.2132389>
- 2023      **Jing, Y.**, Hu, Y. and Niedzielski, M. “A Neighborhood divides: Where you live matters for commuting and its efficiency.” *Cities* 132, 104091. <https://doi.org/10.1016/j.cities.2022.104091>
- 2022      **Jing, Y.**, and Hu, Y. “The unequal commuting efficiency: A visual analytics approach.” *Journal of Transport Geography* 100, 103328. <https://doi.org/10.1016/j.jtrangeo.2022.103328>

- 2020 Wang, J., Huang, J., and **Jing, Y.** “Competition between high-speed trains and air travel in China: From a spatial to spatiotemporal perspective.” *Transportation Research Part A: Policy and Practice* 133, 62-78. <https://doi.org/10.1016/j.tra.2019.12.030>
- 2020 Wang, J., **Jing, Y.**, and Yang, H. “The spatio-temporal evolution of China’s HSR-air competition network and its expansion mode.” *Scientia Geographica Sinica* 40(5), 675-684. (In Chinese)
- 2019 Wang, J., **Jing, Y.**, and Yang, H. “Measuring the impact of high speed rail on air travel in China.” *Journal of Natural Resources* 34(9), 1933-1944. (In Chinese)
- 2017 Wang, J., and **Jing, Y.** “Comparison of spatial structure and organization mode of Inter-city networks from the perspective of railway and air passenger flow.” *Acta Geographica Sinica* 40(5), 675-684. (In Chinese)

### Book Chapters

- 2017 Zhou, S., Luo, M., Ding, Y., and **Jing, Y.** “Case Studies on Urban Community Elderly Care Facilities in China.” In *Research on Age-friendly Environment in Rapid Urbanizing China* (eds., S. Zhou, H. Zhang, J. Dai and Y. Cheng). Science Press.

### GRANTS

- 2026 University of North Dakota, UND CONNECT, “Riding Through the Cold: Measuring and Mitigating Weather Exposure Risks Among Public Transit Users in Grand Forks.” \$5000. Role:PI.

### PRESENTATIONS AT PROFESSIONAL CONFERENCES

- 2025 “Evaluating human mortality impacts from air pollution as US commuting reaches its extremes.” *The 2025 AAG Annual Meeting of the Great Plains/Rocky Mountains Division of the American Association of Geographers*, Omaha, Nebraska, October 18.
- 2025 “Measuring Neighborhood Connectivity and Racial Homophily in Urban Encounter Network.” *AAG Annual Meeting 2025*, Detroit, Michigan, March 24-28.
- 2024 “Analyzing Neighborhood Disparities in Commuting efficiency: A Network-Based Approach.” *The 2024 Annual Meeting of the Southeastern Division of the American Association of Geographers*, Greenville, South Carolina, November 25.
- 2024 “Multiscale Complex Network Analysis of Commuting Efficiency: Urban Connectivity, Hierarchy, and Labor Market.” *AAG Annual Meeting 2024*, Honolulu, Hawaii, April 8.
- 2023 “The Unequal Commuting Efficiency: A Visual Analytics Approach.” *AAG Annual Meeting 2023*, Denver, Colorado, March 24.
- 2022 “Neighborhood Divides: Where You Live Matters for Commuting and Its Efficiency.” *AAG Annual Meeting 2022*, Virtual, February 26.
- 2018 “Competition Between High-speed Trains and Air Travel in China: From A Spatial to Spatiotemporal Perspective.” *AAG Annual Meeting 2018*, New Orleans, Louisiana, April 12.
- 2016 “The evolution of spatial pattern of equipment manufacturing industry in China”. *Annual Meeting of Economic Geography across the Taiwan Straits 2016*, Fuzhou, China, June 26.

### INVITED TALKS

- 2025 “Neighborhood Divides: Where You Live Matters for Commuting and Its Efficiency” University of North Carolina at Charlotte Department of Earth, Environmental and Geographical Sciences. Charlotte, North Carolina. Jan 29.

- 2025 “Commuting Efficiency and Jobs-housing Relationship: Insights From A Refined Excess Commuting Framework ” University of North Dakota, Department of Geography & Geographic Information Science. Grand Forks, North Dakota. Jan 22.
- 2024 “Visualizing Geospatial Data in Python” 2024 UF Data Science & Informatics Spring Symposium. Gainesville, Florida. March 30.

## **TEACHING (INSTRUCTOR OF RECORD)**

### **University of North Dakota**

GEO 474: Intro to Geographic Information Systems

GEO 474L: GIS Laboratory

GEO 457: Urban Geography & Planning

### **University of Florida**

GEO 3162C/6160: An Introduction to Quantitative Analysis for Geographers

2022 Fall - 2024 Spring

Course Evaluation: Average teaching evaluation score of 4.5/5 over four semesters.

## **HONORS AND AWARDS**

- 2025 AAG Student Travel Grant
- 2023 - 2025 Graduate Student Geography Department Travel Grant, University of Florida
- 2023 - 2025 Graduate Student Council Travel Grant, University of Florida
- 2025 Excellence in Teaching Award, Department of Geography, University of Florida
- 2024 Top Published Student Paper Award, Department of Geography, University of Florida
- 2023 Top Published Student Paper Award, Department of Geography, University of Florida
- 2023 CLAS Graduate Travel Grant, University of Florida
- 2021 - 2025 Graduate Student Fellowship, University of Florida
- 2017 Merit Student Award, Chinese Academy of Sciences
- 2011 - 2014 Academic Scholarship, Beijing Normal University

## **SERVICE**

### **PEER REVIEW**

*Annals of the American Association of Geographers* (2025 - )

*Journal of Transport Geography* (2024 - )

*Humanities & Social Sciences Communications* (2024 - )

### **MEMBERSHIPS**

American Association of Geographers

AAG Transportation Geography Specialty Group

Cartography and Geographic Information Society

## **PROFESSIONAL EMPLOYMENT**

2018 - 2021

Urban planner

Chengdu Institute of Planning & Design, Chengdu, China

Updated December 2025