

# YUE JING

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

yue.jing@und.edu  
701-777-4273 (office)  
geoyjing.github.io

## 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

- 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 “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 2022 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

### 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 November 2025