Huihai Wang

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EDUCATION

University of Texas at Austin, Community and Regional Planning   **Sep. 2021-Present**
Degree: Ph.D (in progress)
Advisor: Professor Junfeng Jiao

Binghamton University, Department of Geography   **Sep. 2018-Jun. 2021**
Degree: Master of Art in Geography
Advisor: Professor Chengbin Deng
Thesis: Development and Application of Sidewalk Anomaly Detection Algorithm Using Mobile Sensors

Wuhan University of Technology, School of Resources and Environmental Engineering   **Sep. 2013-Jun. 2018**
Degree: Bachelor of Science in Geographic Information Science
Overall GPA: 3.5/4.0

RESEARCH FIELD

- Transportation Equity
- Regional Built Environment Evaluation and Quality of Life
- Urban sustainability, public engagement

WORK EXPERIENCE

Jun.2021 – Present   **The University of Texas at Austin**
Graduate Research Assistant, Urban Information Lab (UIL Lab)
Help with the professor. Junfeng Jiao doing research, which includes transportation equity research, urban sustainability research, and built environment evaluation research.

Jun.2019 – May. 2021   **Binghamton University**
Graduate Research Assistant, Global Environmental Monitoring and Analytics Lab (GEMA Lab)
Help with Professor Chengbin Deng doing research, which includes the walkability research and built environment evaluation research.

Jun.2020 – May.2021   **Binghamton University**
Graduate Research Assistant, Johnson City Redevelopment Lab
Help Professor John Frazier with the Johnson City Redevelopment Project, which is mainly about providing advice to local governments to redesign the local built environments around the new Pharmacy School, Binghamton University, NY.

PUBLICATIONS

Published:

- Deng, C., Dong, X., **Wang, H.**, Lin, W., Wen, H., Frazier, J., ... & Holmes, L. (2020). A Data-Driven Framework for Walkability Measurement with Open Data: A Case Study of Triple Cities, New York. ISPRS International Journal of Geo-Information, 9(1), 36.
- **Wang, H.** (2021). *Development and Application of Sidewalk Anomaly Detection Algorithm Using Mobile Sensors* (Doctoral dissertation, State University of New York at Binghamton).
- Jiao, J., & **Wang, H.** (2022). Traffic behavior recognition from traffic videos under occlusion condition: a Kalman filter approach. *Transportation research record*, 2676(7), 55-65.
- Jiao, J., Choi, S. J., **Wang, H.**, & Farahi, A. (2023). Evaluating Air Quality Status in Chicago: Application of Street View Imagery and Urban Climate Sensors. *Environmental Modeling & Assessment*, 1-18.
- Hauser, E., Chan, Y. C., Chonkar, P., Hemkumar, G.,**Wang, H.** , Dua, D., ... & Stone, P. (2023, July). " What's That Robot Doing Here?": Perceptions Of Incidental Encounters With Autonomous Quadruped Robots. In Proceedings of the First International Symposium on Trustworthy Autonomous Systems (pp. 1-15)
- Jiao, J., & **Wang, H.** (2023). Forecasting Traffic Speed during Daytime from Google Street View Images using Deep Learning. *Transportation Research Record*, 03611981231169531.

SCHOLARSHIPS & AWARDS

2019   FIRST PLACE-GRADUATE, Fifth Annual GIS Day Student Poster Competition, Binghamton University

2019   People's Choice Award, Fifth Annual GIS Day, Student Poster Competition, Binghamton University

2015   Merit Student, Wuhan University of Technology

2015   Second Prize of School Scholarship, Wuhan University of Technology

2014   Bozhulixue Scholarship (First Class), Wuhan University of Technology

SKILLS

- Programming: Python
- Languages: English, Mandarin