

Curriculum Vitae

Sicheng Wang Ph.D.*Assistant Professor*

Department of Geography

University of South Carolina

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EMPLOYMENT

- 2023– **Assistant Professor**
Department of Geography
University of South Carolina
- 2021–2023 **Postdoctoral Research Fellow**
NSF project - Preparing the Future Workforce for the Era of Automated Vehicles (WEAVE)
Department of Geography, Environment, and Spatial Sciences, Michigan State University
- 2020–2021 **Instructor in GIScience**
Department of Geography, University of South Carolina
- 2017–2021 **Graduate Research Assistant**
Alan M. Voorhees Transportation Center, Rutgers, the State University of New Jersey
- 2016–2017 **Research Assistant**
National Center for Smart Growth Research and Education, University of Maryland, College Park
- 2013–2016 **Urban Planner/Project Manager**
Shanghai Tongji Urban Planning & Design Institute, China

EDUCATION

- 2017–2021 **PhD**, Planning and Public Policy, Rutgers, the State University of New Jersey, New Brunswick, NJ, USA
Dissertation: *Travel Behavior of Ridesourcing: A Data-Driven Analysis* (2020 Regional Science Association International Czamanski Dissertation Award/Finalist of 2021 World Society for Transport and Land Use Research Best Thesis Award)
Committee: Robert B. Noland (Chair), Michael L. Lahr, Michael Smart, Qing Shen

- 2010–2013 **MA**, Artistic Design, Tongji University, Shanghai, China
 Concentration: Urban Studies
 Master Thesis: *The Relationship between Urban Innovation and Higher Education: University of Applied Arts Vienna and its Impact on the City's Art, Design and Creative Industries*
 Advisor: Zhiqiang Wu
 Graduated with the Outstanding Graduate Honor in Shanghai
- 2011–2012 CUMULUS Graduate Exchange Program, University of Applied Arts, Vienna, Austria
 Research Project: Vienna's Creative Industries and Urban Innovation
- 2006–2010 **BEng**, Industrial Design, South China University of Technology, Guangzhou, China
 Concentration: *Transportation Tool Design (Automobile Design)*

PEER-REVIEWED JOURNAL PUBLICATIONS

* Student-led paper

- *40 Chen, P., Wang, S., Wang, C., **Wang, S. (corresponding)**, Huang, B., Huang, L., & Zang, Z. (2025). A GAN-enhanced deep learning framework for rooftop detection from historical aerial imagery. *International Journal of Remote Sensing*, 46(16): 1-24.
 <https://doi.org/10.1080/01431161.2025.2534994>
- 39 Wang, K., De Vos, J., Smart, M., & **Wang, S. (corresponding)**. (2025). Explaining youth driver licensing determinants using XGBoost and SHAP. *Transport Policy*, 168, 87-100. <https://doi.org/10.1016/j.tranpol.2025.04.009>
- 38 Agrawal, S., Watson, G. P., Schuster, A. M., Cotten, S. R., Tidwell, M. L., Baker, N., & **Wang, S.** (2024). It's more than money: The true costs of spam in online survey research. *Research Ethics*, 17470161251357454.
 <https://doi.org/10.1177/17470161251357454>
- 37 **Wang, S.**, Mack, E. A., Kalani, N., Chang, C. H., & Cotten, S. R. (2025). Workforce development in the trucking industry: A comprehensive analysis of truck driver training entities. *Transport Economics and Management*, 3, 23-34.
 <https://doi.org/10.1016/j.team.2024.11.003>
- 36 **Wang, S.**, Noland, R. B. & Huang, X. (2024). Disparities in ridehailing travel times for accessing non-work destinations. *Transportation Research Interdisciplinary Perspectives*, 28: 101258. <https://doi.org/10.1016/j.trip.2024.101258>
- 35 **Wang, S.**, Agrawal, S., Mack, E. A., Nidhi, K., Cotten, S. R., & Savolainen, P. T. (2024). Downscaling occupational employment data from the state to the census tract level. *Applied Geography*, 170: 103349. <https://doi.org/10.1016/j.apgeog.2024.103349>
- 34 **Wang, S.**, Du, R., & Lee, A. S. (2024). Ridesourcing, regulation, and urban traffic: A New York City case. *Journal of Transport Geography*, 116: 103846.
 <https://doi.org/10.1016/j.jtrangeo.2024.103846>

- 33 **Wang, S.**, Huang, X., & Shen, Q. (2024). Disparities in resilience and recovery of ridesourcing usage during COVID-19. *Journal of Transport Geography*, 114: 103745. <https://doi.org/10.1016/j.jtrangeo.2023.103745>
- 32 Chen, G., Li, C., & **Wang, S.** (2024). Urban mobility resilience under heat extremes: Evidence from bike-sharing travel in New York. *Travel Behaviour and Society*, 37: 100821. <https://doi.org/10.1016/j.tbs.2024.100821>
- 31 Schuster, A. M., Van Fossen, J. A., Agrawal, S., **Wang, S.**, Mack, E. A., Tidwell, M. L., & Cotten, S. R. (2024). Disadvantaged workers are not all alike in attitudes towards automation. *Transportation Research Interdisciplinary Perspectives*, 26: 101164. <https://doi.org/10.1016/j.trip.2024.101164>
- 30 Lu, J., Xiao, X., Huang, X., Chuai, X., Li, Z., Wei, H., & **Wang, S.** (2024). Big data insights into urban park use in the pandemic: Changes in visitation patterns and exacerbated social inequalities in the U.S. *Cities*, 152: 105204. <https://doi.org/10.1016/j.cities.2024.105204>
- 29 **Wang, S.**, Mack, E. A., Van Fossen, J. A., Medwid, L., Cotten, S. R., Chang, C., Mann, J., Miller, S. R., Savolainen, P. T., & Baker, N. (2023). Assessing alternative occupations for truck drivers in an emerging era of autonomous vehicles. *Transportation Research Interdisciplinary Perspectives*, 19: 100793. <https://doi.org/10.1016/j.trip.2023.100793>
- *28 Torosyan, K., **Wang, S. (corresponding)**, Mack, E. A., Van Fossen, J. A., & Baker, N. (2023). Assessing the impact of technological change on similar occupations: implications for employment alternatives. *PLoS One*. <https://doi.org/10.1371/journal.pone.0291428>
- *27 Jin, T.a, **Wang, S.**, Cao, J., Schwanen, T., Witlox, F., & Chen, L. (2023). Do built environment factors have different effects on ridesourcing usage before and after the COVID-19 pandemic?" *Cities*, 141: 104520 <https://doi.org/10.1016/j.cities.2023.104520>
- 26 Noland, R. B., Laham, M. L., & **Wang, S.** (2023). Understanding preferences for bicycling and bicycle infrastructure. *International Journal of Sustainable Transportation*, 17(9), 1020-1031, <https://doi.org/10.1080/15568318.2022.2142920>
- 25 Lu, J., Huang, X., Xiao, X., Li, Z., Kupfer, J. A., Wei, H., **Wang, S.**, & Zhu, L. (2023). Spatial, temporal, and social dynamics in visitation to US national parks before and during the COVID-19 pandemic: A big data approach. *Tourism Management Perspectives*, 48: 101143. <https://doi.org/10.1016/j.tmp.2023.101143>
- 24 Schuster, A. M., Agrawal, S., Britt, N., Sperry, D., Van Fossen, J. A., **Wang, S.**, Mack, E. A., Liberman, J., & Cotten, S. R. (2023). Will automated vehicles solve the trucking driver shortages?: Perspectives from the trucking industry. *Technology in Society*, 74: 102313. <https://doi.org/10.1016/j.techsoc.2023.102313>
- 23 **Wang, S.**, Kim, J., & Xu, Y. (2022). Inequality in activity participation: multidimensional disadvantages and daily trips by trip purpose and trip day. *Travel Behaviour and Society*, 29: 211-223. <https://doi.org/10.1016/j.tbs.2022.06.013>

- 22 Chen, Y., **Wang, S. (corresponding)**, & Wu, X. (2022). Exploring perceived transportation disadvantages: Distribution, disparities, and associations with the built environment. *Transportation Research Part D: Transport and Environment*, 112: 103497. <https://doi.org/10.1016/j.trd.2022.103497>
- 21 Lee, A. S., Lahr, M. L., & **Wang, S.** (2022). Couple households and the commuting-time gender gap. *Professional Geographer*, 74, 4: 688-703. <https://doi.org/10.1080/00330124.2022.2075407>
- *20 Wei, H., Huang, X., **Wang, S.**, Lu, J., Li, Z., & Zhu, L. (2022). A data-driven investigation on park visitation and income mixing of visitors in New York City. *Environment and Planning B: Urban Analytics and City Science*, 9, <https://doi.org/10.1177/23998083221130708>
- 19 **Wang, S.**, & Noland, R. B. (2021). What is the elasticity of sharing a ridesourcing trip? *Transportation Research Part A: Policy and Practice*, 153: 284-305. <https://doi.org/10.1016/j.tra.2021.09.008>
- 18 **Wang, S.**, & Noland, R. B. (2021). Variation in ride-hailing trips in Chengdu, China. *Transportation Research Part D: Transport and Environment*, 90: 102596. <https://doi.org/10.1016/j.trd.2020.102596>
- 17 **Wang, S.**, Wu, X., & Chen, Y. (2021). Association between Perceived Transportation Disadvantages and Opportunity Inaccessibility: A social equity study. *Transportation Research Part D: Transport and Environment*, 101: 103119. <https://doi.org/10.1016/j.trd.2021.103119>
- 16 Mack, E. A., Agrawal, S., & **Wang, S.** (2021). The impacts of the COVID-19 pandemic on transportation employment: A comparative analysis. *Transportation Research Interdisciplinary Perspectives*, 12: 100470. <https://doi.org/10.1016/j.trip.2021.100470>
- 15 Huang, X., Lu, J., Gao, S., **Wang, S.**, Wei, H., & Ye, X. 2021. Staying at home is a privilege: Evidence from fine-grained home-dwelling records in the U.S. during the COVID-19 pandemic. *Annals of the Association of American Geographers*, 112(1) 1-20 <https://doi.org/10.1080/24694452.2021.1904819>
- 14 Huang, X., Xu, Y., Liu, R., Wang, S., **Wang, S.**, Zhang, M., Kang, Y., Gao, S., Zhao, B., & Li, Z. 2022. Exploring home-dwelling time patterns during the COVID-19 pandemic via Bayesian inference: Policy compliance, spatial disparity, and exposed inequity. *Transactions in GIS*, 26(4). <https://doi.org/10.1111/tgis.12918>.
- 13 **Wang, S.**, Jiang, Z., Noland, R. B., & Mondschein, A. 2020. "Attitudes towards Privately-Owned and Shared Autonomous Vehicles." *Transportation Research Part F: Traffic Psychology and Behaviour*, 72: 297-306. <https://doi.org/10.1016/j.trf.2020.05.014>
- 12 **Wang, S.**, & Smart, M. J. 2020. "The Disruptive Effect of Ridesourcing Services on For-Hire Vehicle Drivers' Income and Employment." *Transport Policy*, 89: 13-23. <https://doi.org/10.1016/j.tranpol.2020.01.016>

- 11 **Wang, S.**, & Xu, Y. 2020. “Transit Use of Single-Parent Households: Evidence from Maryland.” *Transportation Research Interdisciplinary Perspectives*, 8: 100223.
<https://doi.org/10.1016/j.trip.2020.100223>
- 10 Wang, Z., **Wang, S. (co-first author/corresponding)**, & Lian, H. (2020). A route optimization algorithm for long-distance commuter express bus service based on OD estimation from mobile phone location data: A case of the Changping Corridor in Beijing. *Public Transport*, 13(1): 101-125. <https://doi.org/10.1007/s12469-020-00254-w>
- 9 Zhang, W., Wang, K., **Wang, S.**, Jiang, Z., Mondschein, A., & Noland, R. B. (2020). Synthesizing neighborhood preferences for automated vehicles. *Transportation Research Part C: Emerging technologies*, 120: 102774. <https://doi.org/10.1016/j.trc.2020.102774>
- 8 Ralph, K., Smart, M. J., Noland, R. B., **Wang, S.**, & Cintron, L. (2020). Is it really too far?: Overestimating walk time and distance reduces walking. *Transportation Research Part F: Traffic Psychology and Behaviour*, 74: 522-535.
<https://doi.org/10.1016/j.trf.2020.09.009>.
- 7 Huang, X., Li, Z., Lu, L., **Wang, S.**, Wei, H., & Chen, X. “Time-Series Clustering for Home Dwell Time during COVID-19: What Can We Learn from It?” *ISPRS International Journal of Geo-Information*, 11: 675. <https://doi.org/10.3390/ijgi9110675>.
- 6 Jiang, Z., **Wang, S.**, Mondschein, A., & Noland, R. B. (2020). Spatial distributions of attitudes and preferences towards autonomous vehicles. *Transport Findings*, May.
<https://doi.org/10.32866/001c.12653>.
- 5 Noland, R. B., **Wang, S.**, Kulp, S., & Strauss, B. (2019). Employment accessibility and rising seas. *Transportation Research Part D: Transport and Environment*, 77(12): 560-572. <https://doi.org/10.1016/j.trd.2019.09.017>.
- 4 Kim, J., & **Wang, S.** (2019). Head start availability and supply gap of licensed childcare slots: A New Jersey study. *Children and Youth Services Review*, 104: 104394.
<https://doi.org/10.1016/j.childyouth.2019.104394>.
- 3 Wang, W., & **Wang, S.** (2016). Sino-US comparative research on urban development of university driven innovation from the spatial perspective (空间视角下中美大学驱动型创新城区发展比较). *Beijing Planning Review (北京规划建设)*, 4: 76-82.
- 2 **Wang, S.**, & Xu, Y. (2015). On the Model Transformation of Creative Industries in Chinese Cities: A Case Study of the Knowledge Economy Circle around Tongji University in Yangpu, Shanghai (论中国城市创意产业的模式转型——以上海杨浦环同济知识经济圈为例). *China Ancient City (中国名城)*, 161(2), 15-21.
- 1 **Wang, S.** (2014). “A Design Philosophy Rooted in the Chinese Traditional Life Wisdom (巧、妙、省、灵——中华传统生活智慧中的设计哲学). *Art and Design (艺术与设计——理论版)*, 117(10), 26-28.

BOOK CHAPTERS

- 3 **Wang, S.** (2025). Ridesourcing: A game-changer for urban mobility. In *Urban Human Mobility* (pp. 318-329). Tylor & Francis Group.

- 2 **Wang, S.**, Zhou, H., Zou, G., Xu, J., & Chung, C. K. L. (2025). Development and deployment of connected and automated vehicles in a Chinese city. In *Handbook on Transport in Asia* (pp. 169-194). Edward Elgar Publishing.
- 1 Wu, Z., Ma, C., Han, J., **Wang, S.** (2015). *Sustainable Planning & Design for the International Horticultural Exposition 2014 Qingdao* (青岛世园会可持续规划设计). China Architecture & Building Press.

RESEARCH GRANTS AND RESEARCH FUNDING

External Grants Awarded

- 2025 **South Carolina Department of Transportation**
Title: *Optimizing SCDOT's Permitting, Mitigation, and Compliance Systems to Improve Project Delivery*
Role: Lead-Principal Investigator
Amount: \$800,000
Period: 2025-2028
- 2025 **South Carolina Department of Transportation**
Title: *Streamlining Permitting and Mitigation Processes to Improve SCDOT Project Delivery*
Role: Lead-Principal Investigator (since February 2025)
Amount: \$442,281
Period: 2022-2025
- 2024 **NIH Social, Behavioral, & Economic COVID Coordinating Center (SBE CCC)**
Title: *Spatial and Social Disparities in Subjective and Objective Transportation Accessibility to Healthcare Services and Their Relationship to Long COVID*
Role: Lead-Principal Investigator
Amount: \$30,000
Period: 2025-2026
- 2024 **South Carolina Center for Rural and Primary Health (SC CRPH)**
Title: *Assessing the Impacts of Telehealth on Perceived Accessibility for Prenatal Care in Rural South Carolina*
Role: Lead-Principal Investigator
Amount: \$50,000
Period: 2025-2026
- 2024 **South Carolina Department of Alcohol and Other Drug Abuse Services (DAODAS)/Blue Cross Blue Shield (BCBS) Foundation**
Title: *South Carolina Center for Excellence in Addiction – BCBS* (Contract#: BCBS-COE-USC-COE-20230111-20241231)
Role: Co-Principal Investigator
Amount: \$120,600
Period: 2023-2024

- 2024 **South Carolina Department of Alcohol & Other Drug Abuse Services (DAODAS)/General Assembly**
Title: *South Carolina Center for Excellence in Addiction – General Assembly*
(Contract#: SCPROV24-COE-USC-COE-20231201-20241130)
Role: Co-Principal Investigator
Amount: \$114,942
Period: 2023-2025
- 2017 **American Planning Association (APA), Transportation Planning Division (TPD), Small Grants Award**
Title: *Is Transit Important for Single Parents?*
Role: Lead Principal Investigator
Amount: \$500
Period: 2018
<https://transportation.planning.org/in-the-community/small-grants/>

Internal Grants Awarded

- 2025 **USC Collaborative for Health Equity Research (CHEER)**
Title: *Examining Social Disparities in Travel Barrier: Development of A Perception-Based Travel Difficulty Index*
Role: Co-Investigator
Amount: \$34,830
Period: 2025-2026
- 2025 **Advanced Support for Innovative Research Excellence (ASPIRE)- I**
Title: *Stepping towards health equity: Evaluating the accessibility and quality of sidewalks as social determinants of health in Columbia, SC*
Role: Co-Investigator
Amount: \$14,983
Period: 2025-2026
- 2025 **Walker Institute Faculty Research Grant Award**
Title: *Collaborative Research on Health Implications of Hyper-Urbanization in Tanzania.*
Role: Principal Investigator
Amount: \$2,000
Period: 2025-2026
- 2024 **University of South Carolina Provost's Inaugural AI Teaching Fellowship**
Amount: \$2,000
Period: 2024-2025
- 2021 **Advanced Support for Innovative Research Excellence (ASPIRE)- I**
Title: *Examining Social Disparities in Travel Barrier: Development of A Perception-Based Travel Difficulty Index*
Role: Co-Principal Investigator
Amount: \$14,973

Period: 2023-2024

2020 **University and Louis Bevier Dissertation Completion Fellowship, Rutgers University**

Title: *Travel Behavior of Ridesourcing: A Data-Driven Analysis?*

Role: Principal Investigator

Amount: \$25,000

Period: 2020-2021

Unfunded Grant Applications

2025 **National Science Foundation**

RFP: AI-Ready Testbed Planning Grants

Title: *Collaborative Research: Planning: A Multi-Site AI-Ready Test Bed as An Open-Access Smart Agricultural Research, Education, and Engagement Platform (SAREE)*

Role: Lead Principal Investigator

Amount requested: \$200,000

2025 **The University of South Carolina Office of the Vice President for Research**

RFP: Excel Funding Program for Liberal Arts, Humanities and Social Sciences

Title: *Tracking Health Behavior and the Quality of Life of Work-from-Home Mothers with Young Children: An Ecological Momentary Assessment*

Role: Lead Principal Investigator

Amount requested: \$17,978

2024 **National Institute of Justice (NIJ)**

RFP: NIJ's FY24 Measurement of Community Perceptions

Title: *A Novel Community Perception Index to Diagnose High Fear of Crime Micro-Places Using Street View Images and Artificial Intelligence*

Role: Co-Principal Investigator

Amount requested: \$257,737

2024 **USC College of Arts and Sciences**

RFP: McCausland Innovation Fund

Title: *Development of A Toolkit for Teaching with Generative Artificial Intelligence for Different Types of Classrooms*

Role: Lead Principal Investigator

Amount requested: \$25,000

2024 **USC College of Arts and Sciences**

RFP: Faculty Research and Creative Scholarship Grants

Title: *Insights from Innovative Data Sources into Historical Racial Segregation and Housing Inequality in Charleston: Aerial Imagery, Fire Insurance Maps, and City Directories*

Role: Lead Principal Investigator

Amount requested: \$9,939

2024 **The University of South Carolina Office of the Vice President for Research**

RFP: Advanced Support for Innovative Research Excellence (ASPIRE)

Title: *Health Behaviors of Work-at-Home Mothers in Early Stages of Motherhood and Their Impact on Quality of Life: An Ecological Momentary Assessment*

Role: Lead Principal Investigator

Amount requested: \$14,994

2023 **The University of South Carolina Office of the Vice President for Research**

RFP: Excel Funding Program for Liberal Arts, Humanities and Social Sciences

Title: *Mapping the Ecosystem of Automated Vehicles: Collaboration, Agglomeration, and Commercialization*

Role: Lead Principal Investigator

Amount requested: \$17,952

2023 **NIH Social, Behavioral, & Economic COVID Coordinating Center (University of Michigan)**

RFP: Pilot Grant Program Proposal (NIH funded)

Title: *Multi-dimensional Health and Well-being Implications of Work-From-Home as A New Normal of the Post-COVID Era: An Ecological Momentary Assessment*

Role: Lead Principal Investigator

Amount requested: \$59,870

2023 **The Center of Resilience Excellence South Carolina (CORE SC)**

RFP: Advanced Research Grant (NASA funded)

Title: *Assessing and Improving Transportation Resilience against Flooding and Sea Level Rise in the South Carolina Coast Zone*

Role: Lead Principal Investigator

Amount requested: \$49,677

2023 **The University of South Carolina Office of the Vice President for Research**

RFP: Racial Justice and Equity Research Fund

Title: *Housing and Transportation Challenges, Social Inclusion, and Well-being of Asian Immigrants*

Role: Lead Principal Investigator

Amount requested: \$14,945

Pending Grant Applications

2025 **South Carolina Office of Substance Use Services**

Title: *South Carolina Center for Excellence in Addiction*

Role: Co-Investigator

Amount requested: \$316,050

2025 **The Duke Endowment Health Care Grant**

Title: *AI-Driven Burnout Detection in Nursing: A Comprehensive System Integrating Biometric Wearables, Geographic-Environmental Mood Tracking, and Real-Time Chatbot Interventions*

Role: Lead Principal Investigator

Amount requested: \$459,515

HONORS, AWARDS, AND SCHOLARSHIPS

- 2025 **Walker Institute Faculty Research Grant Award**, Walker Institute of International and Area Studies, \$2,000.
- 2024 **SEC Visiting Faculty Travel Grant**, Office of Provost, \$1,250.
- 2024 **University of South Carolina Provost's Inaugural AI Teaching Fellowship**, Office of Provost/Center for Teaching Excellence, \$2,000.
- 2024 **Faculty Conference Travel Award**, USC College of Arts and Sciences, \$1,500.
- 2023 **Faculty Conference Travel Award**, USC College of Arts and Sciences, \$1,500.
- 2023 **2023 IACP Travel Scholarship**, International Association for China Planning (IACP), \$1,000.
- 2022 **Chinese Government Award for Outstanding Students Abroad**, China Scholarship Council, Ministry of Education, China, \$6,000.
- 2021 **2021 IACP Karen R. Polenske Best Student Paper Award**, International Association for China Planning (IACP), \$1,000.
- 2021 **2021 THNS (Transports à Haut Niveau de Service) Best Research Gold Award**, 2021 THNS (The International Symposium on Sustainable Development of Urban Transport Systems) Resilient City and Transport Forum
- 2021 **Finalist of 2021 Best PhD Dissertation Award**, World Symposium on Transport and Land Use Research (WSTLUR)
- 2020 **2020 Czamanski Dissertation Award**, The Regional Science Association International (RSAI), \$1,000.
- 2020 **2020 IACP Karen R. Polenske Best Student Paper Award**, International Association for China Planning (IACP), \$1,000.
- 2020 **University and Louis Bevier Fellowship**, School of Graduate Studies, Rutgers University, \$25,000 and 4-credit tuition remission.
- 2020 **"Getting Started Teaching Online" Grant**, Center for Teaching Excellence, University of South Carolina, \$500.
- 2020 **Rutgers University School of Graduate Studies Conference Travel Award**, \$450.
- 2020 **Winter School Award on Responsible Innovation and Social Studies of Emerging Technologies**, National Science Foundation (Award #1626153) / Arizona State University, full travel fund.
- 2019 **2019 American Public Transportation Foundation Scholarship**, Valarie J. McCall Scholarship, American Public Transportation Foundation, \$6,500.
- 2018 **Full Registration Scholarship**, Association of Collegiate School of Planning 2019 Annual Conference in Greenville, SC, awarded by ACSP, \$285.
- 2018 **2018 American Public Transportation Foundation Scholarship**, Valarie J. McCall Scholarship, American Public Transportation Foundation, \$7,500.
- 2018 **2018 Snowball Scholarship**, Bloustein School of Planning and Public Policy, Rutgers University, \$500.

- 2018 **Scholarship of the Epidemiology and Population Health Summer Institute**, Columbia University, \$400.
- 2017 **Small Grants Award**, American Planning Association Transportation Planning Division, \$500.
- 2015 **Gold Prize**, Fifth Environmental Design Award of China, *The Master Plan of 2014 Qingdao International Horticultural Exposition*.
- 2014 **Annual Outstanding Design Award**, Fourth International Landscape Planning and Design Competition, *The Master Plan of 2014 Qingdao International Horticultural Exposition*.
- 2014 **Second Prize in the Urban Sociology Paper Contest**, 2014 Chinese Sociological Association Academic Annual Conference, *An Exploration of the Types and Mechanisms of Creative Communities Based on New Urbanization Perspectives*.
- 2013 **Outstanding Graduate Honor (Honor Graduate) of Shanghai**, Shanghai Municipal Education Commission.
- 2012 **National Scholarship for Graduate Students**, Ministry of Education of China, ¥20,000.
- 2012 **Annual Outstanding Student Prize** (2011-2012), Tongji University.
- 2012 **Third Prize of the Paper Competition**, 2012 China Urban Development Forum, *An Exploration of Methods and Process of Planning for Urban Creative Industries: An Analysis of the Three-Year Action Plan for Cultural Creative Industries of Shanghai's Yangpu District*, ¥200.
- 2012 **Kwang-Hua Scholarship**, Kwang-Hua Education Foundation, ¥3,000.
- 2011 **Finalist**, Victonnex Swiss Army Watch "Time to Care" Sustainability Design.
- 2011 **Travel Award**, Tongji-On-Tracks Entrepreneurship and Innovation Workshop, Volvo Group, ¥5,000.
- 2010 **Prize for Excellence**, Second "Lotus Prize" International Industrial Design & Innovation Competition.
- 2009 **Elecpro Scholarship**, Elecpro Group, ¥5,000.
- 2008 **China International Marine Containers Scholarship**, CIMC Education Foundation, ¥3,000.
- 2007 **China International Marine Containers Scholarship**, CIMC Education Foundation, ¥3,000.
- 2006, 2007 **Annual Outstanding Student Prize**, South China University of Technology.

CONFERENCE PAPERS AND PRESENTATIONS

- 56 **Wang, Sicheng**, & Mohammed Iddrisu Kambala. "Understanding the temporal and spatial trend of work-at-home in the United States." the 79th Annual Meeting of the Southeastern Division of the AAG (SEDAAG), Greenville, USA. November 24, 2024.
- 55 **Wang, Sicheng**. "Accessibility and Disparity of Using Ridesourcing." Gamecock Geospatial 2024 GIS Day Conference. November 20, 2024.

- 54 **Wang, Sicheng.** Chih-Hsiang Yang, Cheuk Chi Tam. “Health Behaviors of Work-At-Home Women in Early Motherhood.” The 2024 Association of Collegiate Schools of Planning Conference, Seattle, USA, November 7-9, 2024,
- 53 Agrawal, Shubham, Gwendolyn P. Watson, Michael L. Tidwell, **Sicheng Wang**, Amy M. Schuster, Nathan Baker, & Shelia R. Cotten. “It's More Than Money: The True Costs of Spam in Online Survey Research.” Oral presentation at the 79th American Association for Public Opinion Research (AAPOR) Conference, Atlanta, USA, May 15-17, 2024.
- 52 **Wang, Sicheng.** “Mapping the Ecosystem of the Automated Vehicle Industry in the US.” Oral presentation at the 2024 American Association of Geographers Annual Meeting, Honolulu, USA, April 15-20, 2024.
- 51 Mack, Elizabeth A., **Sicheng Wang (presenting)**, Nidhi Kalani, Michael Tidwell, Chu-Hsiang Chang, Kevin Ford, & Shelia R. Cotten. “Workforce Development in Trucking: An Analysis of Truck Driver Training Entities.” Oral presentation at the 2023 Association of Collegiate Schools of Planning Annual Conference, Chicago, USA, October 19-21, 2023.
- 50 **Wang, Sicheng.** “The Geography of Telework: A COVID-Accelerated Trend.” Poster presentation at the 2023 Association of Collegiate Schools of Planning Annual Conference, Chicago, USA, October 19-21, 2023.
- 49 **Wang, Sicheng.** “The Geography of Telework: A COVID-Accelerated Trend.” Oral presentation at the 17th International Association for China Planning Annual Conference, Tianjin, China, June 28-July 2, 2023.
- 48 Mack, Elizabeth. A., **Sicheng Wang**, Nidhi Kalani, Michael Tidwell, Chu-Hsiang Chang, Kevin Ford, & Shelia R Cotten. “Training Truck Drivers for Work in an Era of Automated Vehicles: Specialized Training at Community Colleges.” Oral presentation at the W.E. Upjohn Institute and Economic Development Quarterly Researcher’s Roundtable: The Role of Workforce Development in Regional Economic Development, virtual meeting, May 25, 2023.
- 47 **Wang, Sicheng,** & Elizabeth A. Mack. “Technological Change for Precarious Work: Perception of Autonomous Vehicles from Transportation Platform Drivers.” Oral presentation at the 69th North American Meetings of the Regional Science Association International, Montreal, Canada, November 9-12, 2022.
- 46 **Wang, Sicheng,** Xiao Huang, & Qing Shen. “Trends in Travel Demand of Ridesourcing during the Pandemic and Factors of Land Use: A Time-Series Clustering Analysis on Chicago Data.” Oral presentation at the 2022 Association of Collegiate Schools of Planning Annual Conference, Toronto, Canada, November 3-5, 2022.
- 46 Chen, Yuche, **Sicheng Wang (presenting)**, & Xuanke Wu. “Spatial distribution and Social Disparities of Perceived Transportation Disadvantages.” Oral presentation at the 16th International Association for China Planning Annual Conference. Wuhan, China, June 23-27, 2022.
- 44 **Wang, Sicheng,** Yuche Chen, Xuanke Wu. “Association between Perceived Transportation Disadvantages and Opportunity Inaccessibility: A Social Equity Study.”

- Presentation at the 2022 Transportation Research Board 101th Annual Meeting, Washington D.C., January 9-13, 2022.
- 43 Mack, Elizabeth A, Shubham Agrawal, **Sicheng Wang**. “The Impacts of the COVID-19 Pandemic on Transportation Employment: A Comparative Analysis?” Presentation at the 2022 Transportation Research Board 101th Annual Meeting, Washington D.C., January 9-13, 2022.
- 42 **Wang, Sicheng**, Robert Noland, Xiao Huang. “Does Ridesourcing Provide Equitable Accessibility?” Presentation at the 2022 Transportation Research Board 101th Annual Meeting, Washington D.C., January 9-13, 2022.
- 41 **Wang, Sicheng**, Yuche Chen, Xuanke Wu. “Association between Perceived Transportation Disadvantages and Opportunity Inaccessibility: A Social Equity Study.” Oral presentation at the 2021 THNS Resilient City and Transport Conference, virtual Conference, Shanghai, China, October 28-29 & November 4-5, 2021
- 40 Mack, Elizabeth A, Shubham Agrawal, **Sicheng Wang**. “The Impacts of the COVID-19 Pandemic on Transportation Employment: A Comparative Analysis?” Oral presentation at the 2021 North American Regional Science Council (NARSC) Annual Meeting, Denver, CO, USA, November 8-13, 2021.
- 39 **Wang, Sicheng**, Robert Noland, Xiao Huang. “Does Ridesourcing Provide Equitable Accessibility?” Oral presentation at the 2021 North American Regional Science Council (NARSC) Annual Meeting, Denver, CO, USA, November 8-13, 2021.
- 38 **Wang, Sicheng**, Robert Noland, Xiao Huang. “Does Ridesourcing Provide Equitable Accessibility?” Oral presentation at the 2021 Association of Collegiate Schools of Planning Annual Conference, Miami, FL, USA, October 21-23, 2021.
- 37 **Wang, Sicheng**, Robert Noland, Xiao Huang. “Does Ridesourcing Provide Equitable Accessibility?” Invited oral presentation at the 2021 World Symposium on Transport and Land Use Research (WSTLUR) conference, virtual conference, August 9-13, 2021.
- 36 **Wang, Sicheng**, Robert Noland, Xiao Huang. “Does Ridesourcing Provide Equitable Accessibility?” Invited oral presentation at the 2021 Regional Science Association International World Conference, virtual conference, May 25-28, 2021.
- 35 **Wang, Sicheng**, Robert Noland, Xiao Huang. “Does Ridesourcing Provide Equitable Accessibility?” Oral presentation at the 2021 International Association for China Planning Annual Conference. Nanjing, China, June 20-21, 2021.
- 34 **Wang, Sicheng**, Jeoung-Hee Kim, Yanfeng Xu. “Effects of Multidimensional Disadvantages on Daily Trips for Three Out-Of-Home Activities.” 2021 Transportation Research Board 100th Annual Meeting, virtual conference, January 21-29, 2021.
- 33 **Wang, Sicheng**, Robert Noland. “Price Elasticity of Sharing A Ridesourcing Trip.” 2021 Transportation Research Board 100th Annual Meeting, virtual conference, January 21-29, 2021.
- 32 **Wang, Sicheng**, Rui Du, Annie Lee. “How Ridesourcing Regulations Affect Urban Traffic?: A New York Case.” 2020 North American Regional Science Council (NARSC) Annual Meeting, virtual conference, November 9-13, 2020.

- 31 **Wang, Sicheng**, Robert Noland. “Elasticities for Sharing a Ride in TNC Trips in Chicago.” Oral presentation at 2020 ACSP 60th Annual Conference, virtual conference, November 5-8, 2020.
- 30 **Wang, Sicheng**, Robert Noland. “How Ridesourcing Reshapes Accessibility.” Poster presentation at 2020 ACSP 60th Annual Conference, virtual conference, November 5-8, 2020.
- 29 **Wang, Sicheng**, Robert Noland. “Variation in Ride-Hailing Trips in Chengdu, China.” Oral presentation at 2020 2nd Bridging Transport Research Online Conference, virtual conference, August 11-12, 2020.
- 28 **Wang, Sicheng**. “Elasticities for Sharing a Ride in TNC Trips in Chicago.” Oral presentation at 2020 International Association for China Planning Annual Conference, virtual conference, December 5-13, 2020.
- 27 Zhang, Wenwen, Kaidi Wang, **Sicheng Wang**, Zhiqiu Jiang, Andrew Mondschein, Robert Noland. “Machine Learning-Based Microsimulation Approach for the Spatial Distributions of Automated Vehicle Preferences.” Oral presentation at the International Symposium on Transportation Data and Modelling, Ann Arbor, MI, USA, June 24-26, 2020 (Postponed due to COVID-19).
- 26 **Wang, Sicheng**, Rui Du, Annie Lee. “How Ridesourcing Regulations Affect Urban Traffic? A New York Case.” Oral presentation at the 59th Meetings of the Southern Regional Science Association, Savannah, GA, USA, April 2-4, 2020 (Canceled due to COVID-19).
- 25 **Wang, Sicheng**, Zhiqiu Jiang, Robert Noland, Andrew Mondschein. “Attitudes toward Privately Owned and Shared Autonomous Vehicles.” Poster presentation at the 2020 Transportation Research Board 99th Annual Meeting, Washington, DC, USA, January 12-16, 2020.
- 24 Jiang, Zhiqiu, **Sicheng Wang**, Andrew Mondschein, Robert Noland. “Effects of the Built Environment on Attitudes toward Autonomous Vehicles.” Poster presentation at the 2020 Transportation Research Board 99th Annual Meeting, Washington, DC, USA, January 12-16, 2020.
- 23 **Wang, Sicheng**, Robert Noland. “Variation in Ride-Hailing Trips in Chengdu, China.” Oral presentation at the 2019 North American Regional Science Council Annual Meeting, Pittsburgh, PA, USA, November 13-16, 2019.
- 22 **Wang, Sicheng**, Michael Lahr, Robert Noland, Jing Han. “Housing Prices in Chengdu, China and their Association with the Distribution and Duration of Ride-Hailing Trips.” Oral presentation at the 2019 North American Regional Science Council Annual Meeting, Pittsburgh, PA, USA, November 13-16, 2019.
- 21 **Wang, Sicheng**, Robert Noland. “Ride-Sharing Trip Generation in Chengdu, China.” Oral presentation at the 59th Association of Collegiate Schools of Planning Annual Conference, Greenville, SC, USA, October 24-27, 2019.
- 20 **Wang, Sicheng**, Zhiqiu Jiang, Robert Noland, Andrew Mondschein. “Attitudes toward Privately Owned and Shared Autonomous Vehicles.” Oral presentation at the 59th

- Association of Collegiate Schools of Planning Annual Conference, Greenville, SC, USA, October 24-27, 2019.
- 19 Jiang, Zhiqiu, **Sicheng Wang**, Andrew Mondschein, Robert Noland. “Effects of the Built Environment on Attitudes toward Autonomous Vehicles.” Oral presentation at the 59th Association of Collegiate Schools of Planning Annual Conference, Greenville, SC, USA, October 24-27, 2019.
 - 18 **Wang, Sicheng**. “Generation of Trips Using DiDi in Chengdu.” Oral presentation at 2019 International Association for China Planning Annual Conference, Chengdu, China, June 13-15, 2019.
 - 17 **Wang, Sicheng**, Micheal Smart. “The Disruptive Effect of Ridesharing Services on Taxi Drivers’ Income and Employment.” Oral lightning presentation at the 11th Annual Krueckeberg Doctoral Conference in Urban Studies, Urban Planning, and Public Policy, New Brunswick, NJ, USA, March 7, 2019.
 - 16 Noland, Robert, **Sicheng Wang**, Scott Kulp, Benjamin Strauss. “Employment Accessibility and Rising Seas.” Poster presentation at the 2019 Transportation Research Board 98th Annual Meeting, Washington, DC, USA, January 13-17, 2019.
 - 15 Ralph, Kelcie, Michael Smart, Robert Noland, **Sicheng Wang**, Lisa Cintron. “Misperceptions of Walking Time and Distance.” Poster presentation at the 2019 Transportation Research Board 98th Annual Meeting, Washington, DC, USA, January 13-17, 2019.
 - 14 **Wang, Sicheng**, Yanfeng Xu, Chao Liu. “Is Transit Important for Single Parents? Evidence from Maryland.” Poster presentation at the 2019 Transportation Research Board 98th Annual Meeting, Washington, DC, USA, January 13-17, 2019.
 - 13 Noland, Robert, **Sicheng Wang**, Scott Kulp, Benjamin Strauss. “Employment Accessibility and Rising Seas.” Poster presentation at the 2018 American Geophysical Union Fall Meeting, Washington, DC, USA, December 10-14, 2018.
 - 12 **Wang, Sicheng**, Zhiqiu Jiang, Robert Noland, Andrew Mondschein. “Are People Ready for Fully Autonomous Vehicles?” Oral presentation at the 58th Association of Collegiate Schools of Planning Annual Conference, Buffalo, NY, USA, October 25-28, 2018.
 - 11 **Wang, Sicheng**, Micheal Smart, Nicholas Klein. “Thriving but Disruptive? The Change of Taxi Drivers’ Income and Employment in the Era of the Sharing Economy.” Poster presentation at the 58th Association of Collegiate Schools of Planning Annual Conference, Buffalo, NY, USA, October 25-28, 2018.
 - 10 Ralph, Kelcie, Michael Smart, Robert Noland, **Sicheng Wang**, Lisa Cintron. “Misperceptions of Walking Time and Distance.” Oral presentation at the 58th Association of Collegiate Schools of Planning Annual Conference, Buffalo, NY, USA, October 25-28, 2018.
 - 9 Wang, Zhenbao, **Sicheng Wang**, Yanyan Chen. “A Route Optimization Algorithm for Long-distance Commuter Express Bus Service Based on OD Estimation from Mobile Phone Location Data: A Case of the Changping Corridor in Beijing.” Poster presentation

at the 2018 Transportation Research Board 97th Annual Meeting, Washington, DC, USA, January 7-11, 2018.

- 8 **Wang, Sicheng**, Wei Wang. “Rural E-commerce and its Interaction with China’s Urbanization: A Spatial and Land Use Study on E-Commerce Villages.” Poster presentation at the 57th Association of Collegiate Schools of Planning Annual Conference, Denver, CO, USA, October 12-15, 2017.
- 7 **Wang, Sicheng**. “Innovation Unit Model: Planning for Urban Innovative Network Systems”, accepted by the 2015 Annual Conference on Urban Development and Planning, Guangzhou, China, July 22-23, 2015.
- 6 **Wang, Sicheng**, Keke Le, Jiaying Lin, Jing Han. “A Spatial Study on Creative Communities around Tongji University in Shanghai Based on the Data Analysis of Professional Social Networks.” Oral presentation at the Association of European Schools of Planning 2015 Congress, Prague, Czech Republic, July 13-16, 2015.
- 5 **Wang, Sicheng**, Lingling Tang, Lingyu Kong, Jing Han. “Waterfront Space Use in Coastal Metropolises-An Empirical Study Based on Quantitative Analysis.” Poster presentation at the Association of European Schools of Planning 2015 Congress, Prague, Czech Republic, July 13-16, 2015.
- 4 **Wang, Sicheng**, Yanfeng Xu. “An Exploration of the Types and Mechanisms of Creative Communities Based on New Urbanization Perspectives.” Oral presentation at the Chinese Sociological Association Academic Annual Conference, Wuhan, China, July 10-12, 2014. **Awarded Second Place in the Urban Sociology Track.**
- 3 Xu, Yanfeng, **Sicheng Wang**. “The Relationship between Sexual Assault and Public Urban Infrastructures and Space - Illustrated by Research on Public Lavatories in Chinese Cities.” Oral presentation at the 2013 China Association for Social Work Education Annual Conference, Guangzhou, China, August 18-20, 2013. **Awarded Third Place in the Paper Competition.**
- 2 Xu, Yanfeng, **Sicheng Wang**. “The Relationship between Sexual Assault and Public Urban Infrastructures and Space - Illustrated by Research on Public Lavatories in Chinese Cities.” Oral presentation at the AESOP-ACSP Joint Congress, Dublin, Ireland, July 15-19, 2013.
- 1 **Wang, Sicheng**, Wenqi Yang, Yingying Zhou, Li Wang, Hua Dong, “Management Styles of Design Companies in Shanghai.” Oral presentation at the Tsinghua-DMI International Design Management Symposium, Hong Kong, China, December 3-5, 2011.

TECHNICAL REPORTS

- 2 Noland, Robert, Jack Molenaar, Angie Bonilla, Jon Carnegie, Amy Davidow, Anne Gutsick, Robert Laumbach, RJ Palladino, Jeff Perlman, Kelcie Ralph, Michael Smart, Jenn Stuart, Hao Wang **Sicheng Wang**, Ellen White. 20207. *Task Force on Carbon Neutrality and Climate Resilience Solutions Assessment: Transportation*. Office of the President, Rutgers University.

- 1 Iseki, Hiroyuki, Chao Liu, **Sicheng Wang**. 2017. *Time-of-Day Direct Ridership Model for Maryland Rail Transit*. National Center for Smart Growth Research and Education, University of Maryland, College Park, prepared for the Maryland Transportation Authority.
https://www.umdsmartgrowth.org/wp-content/uploads/2017/10/20170709-MTA_DRM_Final.pdf

INVITED PRESENTATIONS

- 15 “Information and Communication Technologies, Transportation, and Smart Cities,” Guest lecture, School of Planning, Design, and Construction, Michigan State University, East Lansing, Michigan, January 22, 2025
- 14 “Generative AI and Its Impact on Research, Teaching, and Workforce.” National Nanotechnology Coordinated Infrastructure Winter School, Mesa, Arizona. January 6, 2025.
- 13 “Cartography and Data Visualization.” The University of South Carolina Geography Graduate Student Association Workshop. November 15, 2024
- 12 “Preparing the Future Workforce for the Era of Automated Vehicles.” Southeastern Conference Visiting Scholar Presentation, Texas A&M University, College Station, Texas. October 17, 2024.
- 11 “Preparing the Future Workforce for the Era of Automated Vehicles.” National Science Foundation (NSF) Webinar. April 5, 2024.
- 10 “GIS and Cartographic Approaches to Equity of Transportation and Accessibility.” School of Traffic & Transportation Engineering, Central South University, Changsha, China. July 6, 2023.
- 9 “GIS and Cartographic Approaches to Equity of Transportation and Accessibility.” School of Geosciences and Info-physics, Central South University, Changsha, China. May 30, 2023.
- 8 “The Geography of Telework.” 2023 Annual Symposium for the University of Washington’s Interdisciplinary Ph.D. Program in Urban Design and Planning and Ph.D. Program in the Built Environment. May 19, 2023.
- 7 “User-centered Smart Mobility System.” The 8th International Young Scholar Forum of Tongji University. Shanghai, January 15, 2023
- 6 “Does Ridesourcing Provide Equitable Accessibility?” The 24th Chinese Overseas Transportation Association (COTA) Winter Symposium, the Transportation Research Board (TRB) 101st Annual Meeting, Washington D.C., January 9, 2022
- 5 “Cross-disciplinary and Cross-cultural Academic Career.” The 3rd World Urban Intelligence Symposium, Tongji University, December 11, 2021
- 4 “Social Equity and Transportation.” Michigan State University, November 23, 2021.
- 3 “Innovative Cartography for Urban Planning and Policymaking.” Cornell University, April 28, 2021.
- 2 “Travel Behavior of Ridesourcing.” San Jose State University, April 15, 2021

- 1 “Travel Behavior of Ridesourcing.” East China Normal University, April 11, 2021.

MEDIA APPEARANCES

- 11 Petty, Amanda. 2024. “New Study: Columbia One of Country’s Worst Cities for Greenhouse Gas Emissions.” *Carolina News & Reporter*. Available at <https://carolinanewsandreporter.cic.sc.edu/new-study-columbia-one-of-countrys-worst-cities-for-greenhouse-gas-emissions/>
- 10 Alan M. Voorhees Transportation Center. 2024. “Disparities in Ridehailing Travel Times for Accessing Non-Work Destinations.” Rutgers University Alan M. Voorhees Transportation Center. Available at <https://vtc.rutgers.edu/publication/disparities-in-ridehailing-travel-times-for-accessing-non-work-destinations/>
- 9 Upton, John, & Martucci, Joe. 2021. “How sea level rise is affecting your commute to and around Atlantic City.” Climate Central. Available at [How sea level rise is affecting your commute to and around Atlantic City | Climate Central](https://www.climatecentral.org/news/how-sea-level-rise-is-affecting-your-commute-to-and-around-atlantic-city)
- 8 Delgado, Carla. 2021. “Study: Stay-at-Home COVID Orders Were a Luxury Many Couldn’t Afford.” Verywellhealth. Available at <https://www.verywellhealth.com/stay-at-home-orders-low-income-covid19-5187273>.
- 7 Taylor & Francis Group. 2021. “Data from Million Mobile Users Further Shows Poorer People Less Able to Stay at Home COVID Rules.” EurekAlert! – AAAS. Available at <https://www.newswise.com/coronavirus/data-from-45-million-mobile-users-further-shows-poorer-people-less-able-to-stay-at-home-covid-rules>.
- 6 Anderer, John. 2021. “Cell Phone Data Reveals Poorer People Are Less Able to Follow Stay-at-home Orders during COVID-19.” Study Finds. Available at <https://www.studyfinds.org/poorer-people-stay-at-home-covid/>.
- 5 ANI. 2021. “Here’s Why Poorer People Are Less Able to Stay at Home amid Covid-19 Pandemic, Hindustan Times. Available at <https://www.hindustantimes.com/lifestyle/health/heres-why-poorer-people-are-less-able-to-stay-at-home-amid-covid-19-pandemic-101622205397654.html>.
- 4 News Wise. 2021. “Data from 45 Million Mobile Users Further Shows Poorer People Less Able to Stay at Home COVID Rules.” Available at https://www.newswise.com/coronavirus/data-from-45-million-mobile-users-further-shows-poorer-people-less-able-to-stay-at-home-covid-rules/?article_id=752086.
- 3 **Wang, Sicheng**, Robert B. Noland. 2020. “Research: Variation in ride-hailing trips in Chengdu, China” Bloustein School, Rutgers University. Available at https://bloustein.rutgers.edu/research-variation-in-ride-hailing-trips-in-chengdu-china/?fbclid=IwAR121sGEqAFLPhWy9WYrfoJ4HOev26NczwSEBNB7j01Qs_31uA4hLPxcxIo
- 2 Kim, Jeounghye, **Sicheng Wang**. 2019. “Head start programs alleviate supply gap of center-based childcare in NJ: Study evaluates public programs designed to serve low-income families.” American Association for the Advancement of Science. Available at https://www.eurekalert.org/pub_releases/2019-08/ru-hsp082619.php

- 1 **Wang, Sicheng.** 2018 “Is transit important for single parents?: Evidence from Maryland.” American Planning Association Transportation Planning Division. Available at <https://mailchi.mp/3c534a9d892b/prwe4o3r73-1400381>

COURSES TAUGHT

- 2023- **Assistant Professor**, Department of Geography, University of South Carolina
Courses: GEOG 105: *The Digital Earth*
GEOG 341: *Cartography*
GEOG 563: *Advanced Geographic Information Systems*
- 2020-2021 **Instructor**, Department of Geography, University of South Carolina
Courses: GEOG 105: *The Digital Earth*
GEOG 341: *Cartography*
- 2019 **Teaching Assistant**, Bloustein School of Planning and Public Policy, Rutgers University
Course: 775 395: 01/ 775 395: 02 *Research Methods (undergraduate level, two sessions)*
Guest speaker session: Representativeness
Instructor: Nathan Foote
- 2019 **Teaching Assistant**, Bloustein School of Planning and Public Policy, Rutgers University, New Brunswick, NJ, USA
Course: 970 553: 01 *Methods of Transportation Planning (graduate level)*
Instructor: Dr. Michael Smart
- 2018- 2019 **Teaching Assistant**, Bloustein School of Planning and Public Policy, Rutgers University, New Brunswick, NJ, USA
Course: 970 516: 01 *Planning Methods (graduate level)*
Instructor: Dr. Mi Shih
- 2017 **Guest Lecturer**, Bloustein School of Planning and Public Policy, Rutgers University, New Brunswick, NJ, USA
Course: 970 509: 01 *Urban Economy & Spatial Patterns (graduate level)*
Guest speaker session: *Urban Economics and Transportation*
Instructor: Dr. Michael L. Lahr
- 2013–2016 **Teaching Assistant**, College of Architecture and Urban Planning, Tongji University, Shanghai, China
Course: *Diploma Project of B.Eng. in Urban and Rural Planning (studio, undergraduate level)*
Instructor: Dr. Zhiqiang Wu
- 2011 **Graduate Teaching Assistant**, College of Architecture and Urban Planning, Tongji University, Shanghai, China
Course: *Diploma Project of B.Eng. in Urban and Rural Planning (studio, undergraduate level)*

2010 Instructor: Dr. Zhiqiang Wu
Graduate Teaching Assistant, College of Design and Innovation, Tongji University, Shanghai, China
Course: *Design Strategies (graduate level)*
Instructor: Dr. Zhiqiang Wu

PROFESSIONAL EXPERIENCE

2013–2016 **Project Manager and Urban Planner**, Shanghai Tongji Urban Planning and Design Institution, Shanghai, China

Projects:

- *Master Plan, Regulatory Plan, and Urban Design of Qingdao New District*
- *Urban Regeneration Plan of the Waterfront Area of Lanxi*
- *Regeneration and Transportation Plan of Grand Canal Area of Cangzhou*

Served as the project manager; coordinated multiple planning and design teams with local governments, communities, and developers; managed project procedures and schedules; led field study; led hearings and presentations; led scheme and proposal preparation.

2010–2013 **Urban Planner**, World Urban Sustainability Lab, Shanghai, China

Projects:

- *Master Plan of Guangzhou Knowledge City*
- *Master Plan of 2014 Qingdao International Horticultural Exposition*

Participated in field study; led design team; prepared for hearings and presentations; led scheme and proposal preparation.

2009 **User Experience Designer**, Lenovo Research Institute, Beijing, China

Project: *Smart Television User Interface System Design*

Led visual, interface, and user experience design; participated in conceptualization of product.

SERVICES

Service to the Profession

2024 **Chair**, Paper Session of Advancing Transportation and Mobility: Data Integration, Equity, and Emerging Technologies, the 79th Annual Meeting of the Southeastern Division of the AAG (SEDAAG), Greenville, South Carolina. November 24, 2024.

2024 **Reviewer**, U.S. Department of Transportation (USDOT) Tier-1 UTC Transportation Cybersecurity Center for Advanced Research and Education (CYBER-CARE).

2024 **Panel Reviewer**, National Science Foundation (NSF) Human-Environment and Geographical Sciences Program.

2023 **Ad Hoc Reviewer**, National Science Foundation (NSF) Human-Environment and Geographical Sciences Program.

2024-2026 **Board Member**, American Association of Geographers Transportation Geography Specialty Group

- 2020–2026 **Standing Committee Member**, Transportation Research Board AFB80 Geospatial Data Acquisition Technologies Committee.
- 2024–2026 **Committee Member**, World Transport Convention (WTC) Intermodal Passenger Transport Technical Committee.
- 2024–2026 **Committee Member**, World Transport Convention (WTC) Transit-Oriented Development Integrative Planning Technical Committee. No compensation received
- 2023 **Program Committee Member**, 2023 International Association for China Planning Annual Conference.
- 2020–2021 **Committee Member**, Conference on Sustainability and Emerging Transportation Technology 2020, August 31–September 2, 2020, Irvine, CA, USA
- 2020–2020 **Volunteer and Website Manager**, Transportation Research Board Standing Committee on Effects of Information and Communication Technologies on Travel Choices (ADB20).
- 2019–2021 **Associate Editor and Editorial Board Member**, *Nexus: Bloustein Student Journal*.
- 2018–2020 **Editorial Assistant and Translator**, *Journal of Planning Education and Research*.
- 2019–2020 **Founding Vice President**, Public Informatics Student Group of Bloustein School.
- 2019–2019 **Chair**, Housing Market Session of North American Regional Science Council Conference, Pittsburgh, PA
- 2018–2021 **Conference Organizer, Volunteer, and Panel Discussant**, 10th, 11th, 12th and 13th Krueckeberg Doctoral Conference in Urban Studies, Urban Planning, and Public Policy.

University and Community Service

- 2025–NOW **Committee Member**, Palmetto Active Transportation (PAT) (previously South Carolina State Walkability & Active Transportation Collaborative), led by the SC Department of Public Health Nutrition, Physical Activity, and Obesity Prevention Section.
- 2024 **Mapping USC County Impact**, for Associate Vice President for University Communications (Jeff Stensland)
- 2024 **Guest Speaker**, USC Geography Graduate Student Association Cartography Workshop
- 2024– **Faculty Course Coordinator**, Geography 105 The Digital Earth, Department of Geography, University of South Carolina
- 2024–2025 **Committee Member**, Graduate Admission Committee, Department of Geography, University of South Carolina
- 2023–2024 **Committee Member**, Diversity, Equity, and Inclusion Committee, Department of Geography, University of South Carolina
- 2023–2024 **Committee Member**, Bridge-to-Faculty position search committee, Department of Geography, South Carolina
- 2019–2020 **Graduate Student Representative**, School of Graduate Studies Executive Council, Rutgers University.

2019–2020	<u>Liaison</u> , Rutgers Office of Advanced Research Computing.
2018–2019	<u>Mentor of Incoming PhD Students</u> , Bloustein School of Planning and Public Policy, Rutgers, the State University of New Jersey.
2008	<u>Fundraising Volunteer for 2008 Sichuan Earthquake</u> , South China University of Technology.

Reviewing

Grants	# of reviews
National Science Foundation (NSF) Human-Environment and Geographical Sciences	2
U.S. Department of Transportation (USDOT) Tier-1 UTC Transportation Cybersecurity Center for Advanced Research and Education (CYBER-CARE)	3
Peer-Reviewed Journals	
<i>Journal of Planning Education and Research</i> (Top reviewer on Publons for <i>JPER</i> in 2019)	9
<i>Computational Urban Sciences</i>	3
<i>Frontiers of Urban and Rural Planning</i>	1
<i>Applied Geography</i>	1
<i>Transportation</i>	1
<i>Transport Policy</i>	1
<i>Transportation Research Part A: Policy and Practice</i>	1
<i>Transportation Research Part D: Transport and Environment</i>	14
<i>Transportation Research Record</i>	2
<i>Transportation Research Part E: Logistics and Transportation Review</i>	1
<i>Transportation Research Part C: Emerging Technologies</i>	1
<i>Case Studies on Transport Policy</i>	1
<i>Annals of the American Association of Geographers</i>	1
<i>Journal of Transport Geography</i>	55
<i>Technovation</i>	1
<i>Urban Planning International</i>	2
<i>Applied Spatial Analysis and Policy</i>	1
<i>Transportation Research Interdisciplinary Perspectives</i>	1
<i>Travel Behaviour and Society</i>	2
<i>Transportation Planning and Technology</i>	1
<i>Nexus: Bloustein Student Journal</i>	1
Conferences	
The Second Bridging Transportation Researchers Conference 2020	2
Transportation Research Board Annual Meeting	5
Conference on Sustainability and Emerging Transportation Technology 2020	2
International Association for China Planning	1

PROFESSIONAL DEVELOPMENT & CERTIFICATES

Training and Workshops

- Fall 2025 **ChatGPT Champions Training Session**, USC Office of Vice President for Information Technology
- 2025-2026 **Propel Research Mentorship Program (NSF Track)**, USC Office of the Vice President for Research
- April 2025 **Building Web Apps with ArcGIS Experience Builder**, ESRI
Instructor: Kate Carlson
- 2024-2025 **Propel AI**, USC Office of the Vice President for Research
- Fall 2024 **Faculty Success Program**, National Center for Faculty Development and Diversity (NCFDD). Certificate received.
- Fall 2024 **Faculty Development Program: Mini Writing Bootcamp**, USC College of Arts and Sciences.
- Fall 2024 **Faculty Development Program: Mentoring**, USC College of Arts and Sciences.
- Summer 2024 **Teaching with Artificial Intelligence (Online course)**, Auburn University. Certificate received
- Spring 2024 **NSF CAREER Training Bootcamp**, USC Office of the Vice President for Research
- 2023-2024 **Propel Research Mentorship Program (NSF Track)**, USC Office of the Vice President for Research
- Jan 2020 **Annual Winter School on Responsible Innovation and Social Studies of Emerging Technologies**, National Science Foundation (Award #1626153), Arizona State University, School for the Future of Innovation in Society (fully funded)
Curriculum: Bibliometrics, Scenario Planning, Survey Design, Participatory Technology Assessment, Game Design.
- Jun 2017 **Structural Equation Modeling**, University of Maryland School of Social Work.
Instructor: Gregory Hancock, PhD.
- Jun 2017 **Propensity Score Matching**, Epidemiology and Population Health Summer Institute at Columbia University, New York, NY.
Instructor: Ryan Richard Ruff, PhD.
- Jun 2017 **Digital Acquisition of Big Data**, Epidemiology and Population Health Summer Institute at Columbia University, New York, NY.
Instructor: Michael Chary, MD, PhD.
Scholarship of Epidemiology and Population Health Summer Institute at Columbia University (full tuition waiver, \$400).

Certificates

- Apr 2025 **Building Web Apps with ArcGIS Experience Builder**, Certificated by ESRI

- Aug 2024 **AI in Education Explorer**, Certificated by Auburn University
- Jun 2020 **Getting Started Teaching Online**, Certificated by Center for Teaching
Excellence, University of South Carolina
Instructor: Dr. Gloria Washington
- May 2020 **Cartography**, Certificated by ESRI
Instructor: Dr. Kenneth Field
- Jan 2019 **Introduction to Python**, ENACA.
<http://www.enaca.cn/>
- Dec 2017 **R Programming**, Certificated by Johns Hopkins University.
Instructors: Dr. Roger D. Peng, Dr. Jeff Leek, & Dr. Brian Caffo.
<https://www.coursera.org/account/accomplishments/certificate/2U8ZJBD3YMJ2>