

# KAIDI WANG

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## EDUCATION

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<b>Ph.D. in Planning, Governance, and Globalization</b>	<i>2018-present</i>
Dissertation: The mutual effect between AV systems and cities: the role of urban forms, AV mode share and social interaction potential	
Department of Urban Affairs and Planning	
School of Public and International Affairs	
Virginia Polytechnic Institute and State University	
<b>Computer and Information Sciences</b>	<i>2017-2018</i>
Department of Computer Science	
College of Engineering	
Virginia Polytechnic Institute and State University	
<b>M.S. in Information Security</b>	<i>2014-2017</i>
The Research Center of Information Security	
School of Cyberspace Security	
Beijing University of Posts and Telecommunications	
<b>B.S. in Information Security</b>	<i>2010-2014</i>
Department of Information Security	
School of Telecommunications Engineering	
Xidian University	

## RESEARCH INTERESTS

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Urban analytics; Emerging transportation technology; Big data and applied machine learning in urban studies; Geographic information systems.

## AWARDS, HONORS, AND FELLOWSHIPS

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First Grade Scholarship	<i>2014-2016</i>
Beijing University of Posts and Telecommunications	
National Encouragement scholarship <b>Top 1%</b>	<i>2013</i>
Xidian University	
The postgraduate recommendation <b>Top 2%</b>	<i>2013</i>
Xidian University	
The Third Prize in the 24th Spark-Cup Undergraduate Academic and Technology Competition	<i>2013</i>
Xidian University	
First Grade Scholarship <b>Top 8%</b>	<i>2010-2012</i>

## PUBLICATIONS

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### Refereed Journal Articles

**Wang, K.**, & Zhang, W. Parking Space Optimization in the Era of Private Automated Vehicles. Transportation Research Record. (Under Review)

**Wang, K.**, W. Zhang, The Role of Urban Forms on the Performance of Shared Automated Vehicles (SAVs). Transportation Research Part D. (Accepted)

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.

Zhang, W., & **Wang, K.** (2020). Parking futures: shared automated vehicles and parking demand reduction trajectories in Atlanta. *Land Use Policy*, 91, 103963.

### Peer-Reviewed Conference proceedings

Jia, W., Chen T.D., W. Zhang, Lim, L., **Wang, K.**, Mirla, A (2020). Willingness-toRelocate: Analyzing Travelers' Parking Preferences for Private Autonomous Vehicles. Transportation Research Board 100th Annual Meeting.

**Wang, K.**, Zhang, W., Mortveit, H., & Swarup, S. (2020). Improved Travel Demand Modeling with Synthetic Populations. The 21st International Workshop on Multi-Agent-Based Simulation (MABS2020).

**Wang, K.**, Xie, W., & Zhang, W. (2019). Parking Space Optimization in the Era of Private Automated Vehicles (No. 19-05868). Transportation Research Board 98th Annual Meeting.

### TEACHING EXPERIENCE

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<b>Teaching Assistant</b> SPIA 3554 Transdisciplinary Research Method	2021 Spring
<b>Teaching Assistant</b> SPIA 3554 Transdisciplinary Research Method	2020 Spring
<b>Teaching Assistant</b> UAP3024 Urban and Regional Analysis	2019 Fall
<b>Teaching Assistant</b> SPIA3554 Transdisciplinary Research Method	2019 Spring
<b>Teaching Assistant</b> Introduction to C++ programming	2017 Fall

### PROFESSIONAL SKILLS

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<b>Urban Modeling</b>	GIS, MATSim
<b>Computer Languages</b>	Python, R, CSS, HTML, Javascript
<b>Tools</b>	Git