

# Han Wang

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[!\[\]\(177bde115c7ebbeffa559d05eea9e94b\_img.jpg\) LinkedIn](https://www.linkedin.com/in/hanwgeek) [!\[\]\(cab2e95699b614c49dd80341e1932607\_img.jpg\) Scholar](https://scholar.google.com/citations?user=1fKt0HIAAAJ) [!\[\]\(75f9a43febaa9aa08b77b73c8ad8a855\_img.jpg\) ResearchGate](https://www.researchgate.net/profile/hanwgeek) [!\[\]\(cc11c320e6649662ebbe761994792de4\_img.jpg\) Twitter](https://twitter.com/hanwgeek)

## EDUCATION

<b>The University of Hong Kong</b> <i>Ph.D. Candidate</i> Supervisor: <a href="#">Prof. Bin Chen</a>	Sept. 2023 – Present
<b>Peking University</b> <i>M.Sc. in GIS with honors</i> GPA: 3.76 / 4.00 Rank: 1 / 17 Supervisor: <a href="#">Prof. Zhou Huang</a> & <a href="#">Prof. Yu Liu</a>	Sept. 2020 – June 2023
<b>Wuhan University</b> <i>B.Eng. in Remote Sensing with honors</i> GPA: 3.87 / 4.00 Rank: 3 / 262 Supervisor: Prof. Zhipeng Gui	Sept. 2016 – June 2020

## SELECTED PUBLICATIONS

Full paper list: <https://scholar.google.com/citations?user=1fKt0HIAAAJ>

### Chinas railway photovoltaic potential for sustainable urban-rural energy transition

**H. Wang**, B. Chen\*, J. An, C. Lin, P. Gong  
*Environmental Research Letters*

[10.1088/1748-9326/adff95](https://doi.org/10.1088/1748-9326/adff95)

### High-resolution 3D solar potential assessment reveals shading-driven overestimation

**H. Wang**, B. Chen\*, J. An, C. Lin, P. Gong  
*Landscape and Urban Planning*

[10.1016/j.landurbplan.2025.105521](https://doi.org/10.1016/j.landurbplan.2025.105521)

### GWRBoost: A geographically weighted gradient boosting framework

**H. Wang**, Z. Huang\*, H. Guo, G. Yin, et al.  
*Annals of the AAG (In Revision)*

[10.48550/arXiv.2212.05814](https://arxiv.org/abs/2212.05814)

### DouFu: A Double Fusion Joint Learning Method for Driving Trajectory Representation

**H. Wang**, Z. Huang\*, X. Zhou, G. Yin, Y. Bao  
*Knowledge-Based Systems*

[10.1016/j.knosys.2022.110035](https://doi.org/10.1016/j.knosys.2022.110035)

### Quantifying spatially-varying impacts of public transport on NO<sub>2</sub> concentrations with big geo-data

**H. Wang**, X. Zhou, H. Guo, Q. Dong, Z. Huang\*  
*Environmental Monitoring and Assessment*

[10.1007/s10661-023-11289-4](https://doi.org/10.1007/s10661-023-11289-4)

## APPOINTMENT

<b>Teaching Assistant</b> , The University of Hong Kong	Sept. 2023 – Present
<b>Student Director</b> , American Association of Geographers GISS-SG	Sept. 2023 – Sept. 2024
<b>Graduate Research Assistant</b> , Peking University	Sept. 2020 – June 2023
<b>Software Developer Intern</b> , ESRI Beijing R&D Center	June 2020 – Aug. 2020

## PRESENTATIONS

<b>EGU General Assembly</b>	2025
<i>Substantial overestimation of satellite-derived rooftop solar energy potential in multidimensional urban environments</i>	
<a href="#"> Link</a>	
<b>AAG Annual Meeting</b>	2024
<i>Unearthing the potential of solar energy on railway tracks: Evidence from China</i>	
<b>AAG Annual Meeting</b> , GISS Student Paper Competition	2023
<i>GWRBoost: A geographically weighted gradient boosting model for explainable quantification</i>	
<a href="#"> Recording</a> <a href="#"> Slides</a>	
<b>FOSS4G</b> , Academic Session	2021
<i>GiST Build with Pre-sorting Methods</i>	
<a href="#"> Recording</a> <a href="#"> Slides</a>	

## SELECTED AWARDS

<b>Best Paper Award</b> , 18th China Annual Conference on Theory and Methods for GIS	2023
<b>First Place</b> , American Association of Geographers GISS-SG Student Honors Paper Competition	2023