

# Han Wang

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 [LinkedIn](#)  [Scholar](#)  [ResearchGate](#)  [Twitter](#)

## 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=1fKtOHIAAAAJ>

<b>Chinas railway photovoltaic potential for sustainable urban-rural energy transition</b> H. Wang, B. Chen*, J. An, C. Lin, P. Gong <i>Environmental Research Letters</i>	10.1088/1748-9326/adff95
<b>High-resolution 3D solar potential assessment reveals shading-driven overestimation</b> H. Wang, B. Chen*, J. An, C. Lin, P. Gong <i>Landscape and Urban Planning</i>	10.1016/j.landurbplan.2025.105521
<b>GWRBoost: A geographically weighted gradient boosting framework</b> H. Wang, Z. Huang*, H. Guo, G. Yin, et al. <i>Annals of the AAG (In Revision)</i>	10.48550/arXiv.2212.05814
<b>DouFu: A Double Fusion Joint Learning Method for Driving Trajectory Representation</b> H. Wang, Z. Huang*, X. Zhou, G. Yin, Y. Bao <i>Knowledge-Based Systems</i>	10.1016/j.knosys.2022.110035
<b>Quantifying spatially-varying impacts of public transport on NO<sub>2</sub> concentrations with big geo-data</b> H. Wang, X. Zhou, H. Guo, Q. Dong, Z. Huang* <i>Environmental Monitoring and Assessment</i>	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> <i>Substantial overestimation of satellite-derived rooftop solar energy potential in multidimensional urban environments</i>  <a href="#">Link</a>	2025
<b>AAG Annual Meeting</b> <i>Unearthing the potential of solar energy on railway tracks: Evidence from China</i>	2024
<b>AAG Annual Meeting</b> , GISS Student Paper Competition <i>GWRBoost: A geographically weighted gradient boosting model for explainable quantification</i>  <a href="#">Recording</a>  <a href="#">Slides</a>	2023
<b>FOSS4G</b> , Academic Session <i>GiST Build with Pre-sorting Methods</i>  <a href="#">Recording</a>  <a href="#">Slides</a>	2021

## 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