
Dingkang Teng

Tel: (+1) 614-314-6805 · Email: tengdingkang@gmail.com / dtengl@vols.utk.edu

Website: dingkangteng.github.io · GitHub: github.com/DingkangTeng

RESEARCH INTERESTS

Spatial Analysis · Mobility · Transportation & Infrastructure · Socio-Spatial Implications

EDUCATION

University of Tennessee, Knoxville:

TN, USA

Department of Geography and Sustainability

08/2026-Present

PhD in Geography

The Hong Kong Polytechnic University:

HONG KONG SAR

Department of Land Surveying and Geospatial Science

09/2024-07/2026

MSc in Urban Informatics and Smart Cities (*with Distinction*)

Master's dissertation: Assessing the Resilience of Global Electric Vehicle Charging Stations under Flooding Condition

Huazhong Agricultural University (HZAU):

WUHAN, CHINA

Department of Land Management

09/2015-06/2019

B.A. in Land Resource Management

Bachelor's thesis: Research on the Distribution and Reconstruction of Land Value-added Income of Collective Operational Construction Land

SKILLS

- Geospatial & Cyberinfrastructure: Proficient in ArcGIS; experience with large-scale spatial data processing; familiar with cyberinfrastructure for spatial data science.
- Programming languages: Python, Java, HTML, PHP, SQL, JavaScript, C/C++
- Language: Mandarin (Native); English (Professional Working); Cantonese (Basic)

PUBLICATION

Published Papers

- Ma, R., Guan, M., **Teng, D.**, Yang, X., & Zhuge, C. (2026). Dynamic Social Disparities in the U.S. Electric Vehicle Charging Infrastructure System. *Transportation Research Part D*. 155, 105307, <https://doi.org/10.1016/j.trd.2026.105307>
- **Teng, D.**, Tang, J. H. C. G., Ma, R., Yang, X., & Zhuge, C. (2026). A global insight into integration of metro and electric vehicle charging stations. *Sustainable Cities and Society*, 139, 107217. <https://doi.org/10.1016/j.scs.2026.107217>

Under Review

- **Teng, D.**, Tang, J.H.C.G., Ma, R., Yang, X., He, M., Wei, B., Li, Y., Peng, Z., & Zhuge, C. Advancing accessibility and equity of public electric vehicle charging stations in China. *Transport Policy*. Under review.
- Ma, R., **Teng, D.**, Yang, X., Tang, J.H.C.G., Liu, J., Chen, D., Zhao, J., Zhuge, C. From Points to Patterns: Global Spatial Accessibility and Equity in Public Electric Vehicle Charging. *Sustainable Cities and Society*, Under review.

RESEARCH EXPERIENCE

Technology Infrastructure Policy • Global EV Data Initiative

01/2025-06/2026

The Hong Kong Polytechnic University

Focusing on Technology innovation, Infrastructure planning and Policy making in Smart Cities

- Conduct large-scale spatial analysis on global electric vehicle charging infrastructure.
- Process and analyze multi-source geospatial datasets (global-scale) using Python-based spatial data science workflows.
- Contribute to peer-reviewed publications on infrastructure equity and disaster vulnerability.

Innovation Leadership and Entrepreneurship Internship

06/2017-06/2019

Huazhong Agricultural University

Study on influencing factors of paid withdrawal of homestead

- Designed questionnaires, utilized AHP for in-depth data analysis, and drew accurate and weighted conclusions.
- Synthesized the collected data and findings. Drafted a detailed, evidence-based report.

TEACHING & PROFESSIONAL EXPERIENCE

Graduate Teaching Assistant

08/2026-Present

University of Tennessee, Knoxville

- Intro to Geovisualization and GIS (GEOG 331): Grade lab assignments and develop step-by-step walkthrough videos for GIS labs.

Teaching Assistant, Intelligent Transportation Systems (LSGI 3213)

09/2025-12/2025

The Hong Kong Polytechnic University

- Facilitated weekly lab sessions, providing hands-on guidance for data analysis and simulation modeling software.

Technical Manager

10/2018-06/2024

Realhom Land Real Estate Assets Appraisal Co., Ltd

- Managed advanced engineering tasks with focus on natural resource survey and evaluation, IT support, and led geography information initiatives including data analysis, database construction, mapping, and GIS training.
- Conducted a comprehensive study on the evaluation method for state-owned agricultural land use rights.
- Spearheaded the secondary development of an automated calculation and processing tool in ArcGIS designed to enhance efficiency and accuracy within natural resource projects.

PROFESSIONAL QUALIFICATIONS

Certificate of Registered Real Estate Appraiser

2026

- Issuing Authority: Ministry of Housing and Urban-Rural Development, P.R. China & Ministry of Natural Resources, P.R. China

PROJECT EXPERIENCE

Land Classification & Standard Price in Collective Agricultural Land

06/2023-06/2024

Project Leader

- Led spatial analysis, rank classification, price estimation and GIS related processes.

Natural Resource Asset Inventory of Tieshan and Daye

12/2020-06/2024

Project Leader

- Managed price calculation, database creation, result summarization, and mapping tasks.
- Provided guidance to teams working in other cities, including Huanggang and Haikou.

China's Urban Land Price Dynamic Monitoring of Huangshi

12/2020-12/2023

Project Leader

- Responsible for data analysis and authoring comprehensive reports.
- Received the 2021 Excellence Award from the provincial department.

ACTIVITIES AND HONORS

Association Chair, school of land management student association 2016-2018

- Orchestrated the College Freshmen Party and the Campus Planning Competition.

First prize, Yongyehang Cup Undergraduate land use planning competition 2018

- Led the land use plan for Longma Village, managed team coordination, and authored the project report.

Second prize, Chinese Land Cup national undergraduate land use planning competition 2018

- Upgraded the land use plan as the team leader for Longma Village, conducted data analysis in ArcGIS and took charge of coordination within the team.

Third prize, National college students real estate appraisal competition 2018

- Prepared an appraisal report of an estate and carried out data analysis using FAHP.

Outstanding Individual, 2017 summer practice of HZAU 2017

- Led the other team members to undertake the sub-projects under the National Innovation and Entrepreneurship Training Program for College Students.

Second prize, KQ Geo Technologies Cup GIS competition 2017

- Conducted the data analysis in ArcGIS and classified the land rank in some parts of Tokyo.