

# Dingkang Teng

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## EDUCATION

### **Hong Kong Polytechnic University:**

Department of Land Surveying and Geo-Informatics

HONG KONG SAR

09/2024—06/2026 (Expective)

### **MSc in Urban Informatics and Smart Cities**

**Related courses:** Advanced GIS; Urban Big Data; Urban Informatics; Satellite Positioning & Navigation

### **Huazhong Agricultural University (HZAU):**

Department of Land Management

WUHAN, CHINA

09/2015—06/2019

### **B.A. in Land Resource Management**

**Related courses:** Cartograph; Land Info System; RS; Science of Land Resource; Urban Planning; Economics; C++

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

## SKILLS

- Proficient at ArcGIS. Familiar with network projects.
- Programming language: Python, Java, HTML, PHP, SQL, JavaScript, C/C++
- Language: Putonghua (Native); English (Professional Working); Cantonese (Basic)

## RESEARCH EXPERIENCE

### **Technology Infrastructure Policy • Global EV Data Initiative**

01/2025—Present

*Hong Kong Polytechnic University*

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

- Conduct research projects related to charging infrastructure across the globe and author research papers.
- Collecting, analyzing, visualizing the data for the research group.

### **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.

## PUBLICATION

### **Published Papers**

Teng, D., Cheng, S., Luo, Y., & Zhang, J. (2024). *Jiyu jiqi xuexi de fangdichan shichang huafenfangfa – yi Wuhan shi weili [Real estate market segmentation method based on machine learning - a case study of Wuhan]* [Conference]. China real estate academic annual conference in 2024, Wuhan, Hubei, China.

Wang, Q., Pan, S., Wu, X., Lei X., Liu X., **Teng, D.**, Luo, Y. & Zhang, J. (2024). *Yizhong ziran ziyuan zichan qingcha fangfa ji xitong [A Method and System of Natural Resource Asset Inventory]* (Chinses Patent No. ZL 2024 1 0106887.6). China National Intellectual Property Administration. <http://epub.cnipa.gov.cn/cred/CN117635177B>

**Teng, D.**, Guo, H., & Zhang, J. (2021). *Guoyou nongyongdi shiyongquan pinggu fangfa yanjiu [Study on the evaluation method of the use rights of state-owned agricultural land]*. *Housing and Real Estate*, 2021(18), 48-51. <https://bit.ly/3U2EoVu>

## **Under Review**

Ma, R., Guan, M., **Teng, D.**, & Zhuge, C. Dynamic Social Disparities in the U.S. Electric Vehicle Charging Infrastructure System. *Transportation Research Part D*. Under review.

## **Working Papers**

**Teng, D.**, Tang, J.H.C.G., Ma, R., Yang, X., & Zhuge, C. A global insight into integration of metro and electric vehicle charging stations. (Submitted). [Target journal: *Sustainable Cities and Society*]

**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. (Submitted). [Target journal: *Nature Cities*]

Ma, R., **Teng, D.**, Yang, X., Zhao, J., Chen, D., Tang, J.H.C.G., & Zhuge, C. Global Patterns in Public Electric Vehicle Charging Infrastructure Deployment. (Draft Available). [Target journal: *Transportation Research Part D*]

**Teng, D.**, Tang, J.H.C.G., Ma, R., Yang, X., & Zhuge, C. The potential influences of flooding on accessibility and equity of public electric vehicle charging infrastructure: A global insight. (In Preparation). [Target journal: *Nature Cities*]

## **WORKING EXPERIENCE**

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**Teaching Assistant, Intelligent Transportation Systems (LSGI3213)** 09/2025-12/2025  
*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.

## **PROJECT EXPERIENCE**

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**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.

**Appraisal & Evaluation Programs** 09/2019-06/2024  
*Assistant Appraiser*

Responsible for calculation and reports, participated in land and real estate appraisal projects and risk assessment.

## **ACTIVITIES AND HONORS**

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<b>Association Chair</b> , school of land management student association	2016-2018
• Orchestrated the College Freshmen Party and the Campus Planning Competition.	
<b>First prize</b> , <i>Yongyehang Cup</i> Undergraduate land use planning competition	2018
• Led the land use plan for Longma Village, managed team coordination, and authored the project report.	
<b>Second prize</b> , <i>Chinese Land Cup</i> 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.	
<b>Third prize</b> , National college students real estate appraisal competition	2018
• Prepared an appraisal report of an estate and carried out data analysis using FAHP.	
<b>Outstanding Individual</b> , 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.	
<b>Second prize</b> , <i>KQ Geo Technologies Cup</i> GIS competition	2017
• Conducted the data analysis in ArcGIS and classified the land rank in some parts of Tokyo.	