

# 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:** Principle of GIS; Urban Big Data

### 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, AutoCAD, SPSS and other specialist software. Familiar with network projects.
- Programming language: Python, Java, HTML, PHP, SQL, JavaScript, C/C++
- Language: Putonghua (Native Proficiency); English (Professional Working Proficiency)

## RESEARCH EXPERIENCE

### Innovation Leadership and Entrepreneurship Internship

06/2017—06/2019

*Huazhong Agricultural University*

Study on influencing factors of paid withdrawal of homestead

- Designed questionnaires to assess of influencing factors of residents' opinion on homestead paid withdrawal
- Utilized AHP for in-depth data analysis and to dissect and interpret the accumulated data, thereby drawing accurate and weighted conclusions.
- Synthesized the collected data and findings. Drafted a detailed, evidence-based report.

## PUBLICATION

**Teng, D.**, Guo, H., & Zhang, J. (2021). 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>

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

## UNDER REVIEW

Teng, D., Cheng, S., Luo, Y., & Zhang, J. (2024). *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.

## WORKING EXPERIENCE

### Technical Manager

10/2018-6/2024

*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

### Land Classification & Standard Price in Collective Agricultural Land

06/2023—6/2024

*Project Leader*

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

### Appraisal & Evaluation Programs

09/2019—06/2024

*Assistant Appraiser*

- Responsible for calculation and reports, participated in more than 200 land and real estate appraisal projects.

### 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 Huangang and Haikou.

### China's Urban Land Price Dynamic Monitoring of Huangshi

12/2020—12/2023

*Project Leader*

- Responsible for data analysis and authored 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.

### Student Referee, The Second Hi-Target Cup Surveying Competition

2015

- Served as a student referee, monitoring the process in surveying and verifying the accuracy of results.