

Qi Cheng

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EDUCATION

Harbin Institute of Technology (*Project 211 and 985/“Double First-Class” initiative*) Harbin, China
Master of Philosophy in Urban and Rural Planning Sep. 2022-Present

- **Average score:** 89.67/100 | **Ranking:** 1/38 (Top 2.6%)
- **Honors:** First-class Scholarship; Outstanding Student Award
- **Core Courses:** Research Methodology and Paper Writing of Architecture Science (91/100); Theory of Urban Transportation Planning (91/100); Research Methods of Urban Planning (90/100); Frontier of Planning Research (90/100); Urban landscape Feature (97/100)

Hebei University of Technology (*Project 211/“First-class Disciplines”*) Tianjin, China
Bachelor of Engineering in Urban and Rural Planning Sep. 2017-Jun. 2022

- **GPA:** 3.90/4.00 | **Ranking:** 2/40 (Top 5.0%)
- **Honors:** Outstanding Graduation Award; First-class Scholarship; Outstanding graduation project
- **Core Courses:** Principle of Urban and Rural Planning A (95/100); Specific Surveying and Mapping (95/100); Urban Planning and Design (94/100); Special Planning B (Planning of Road and Traffic of Urban and Rural) (94/100); Urban Economics (93/100)

2024 Summer Camp for Outstanding Students of School of Architecture, Tsinghua University Beijing, China
Jul. 2024

The Joint Workshop of Peking University, The University of Hong Kong, and South China University of Technology. (In College of Architecture and Landscape of Peking University) Beijing, China
Aug. 2024

2024 SJTU (Shanghai Jiaotong University) SDG July Camp (Online) Shanghai, China
Jul. 2024

CERTIFICATES

Journal Reviewer Certificates Apr. 2024-Present

- ***Sustainable Cities and Society*** (SCIE JCR Q1 IF=11.7)
- ***Cities*** (SSCI JCR Q1 IF=6.7)
- ***Urban Climate*** (SCIE JCR Q1 IF=6.0)
- ***Applied geography*** (SSCI JCR Q1 IF=4.9)

Member of ISOCARP International Society of City and Regional Planners Jun. 2023-Present

PUBLICATIONS

Journal articles

- [1] **Qi Cheng, Shiyang Sha***. Revealing the injustice and factors that affect the resilience responses of residents in the full period of heat waves. **Sustainable Cities and Society**, 107, 105467. Jul. 2024
<https://doi.org/10.1016/j.scs.2024.105467> (SCIE JCR Q1 IF=11.7)
- [2] **Qi Cheng, Shiyang Sha***. Resisting the heat wave: Revealing inequalities in matching between heat exposure risk and healthcare services in a megacity. **Applied Geography**, 167, 103291. Jun. 2024
<https://doi.org/10.1016/j.apgeog.2024.103291> (SSCI JCR Q1 IF=4.9)

- [3] **Qi Cheng**, Shiyang Sha*, Wen Cheng. Revealing the heterogeneity of social capital in shrinking cities from a social infrastructure perspective: Evidence from Hegang, China. **Applied Geography**, 159, 103087. <https://doi.org/10.1016/j.apgeog.2023.103087> *Otc. 2023*
(SSCI JCR Q1 IF=4.9)
- [4] **Qi Cheng**, Shiyang Sha*. Last defense in climate change: Assessing healthcare inequities in response to compound environmental risk in a megacity in Northern China. **Sustainable Cities and Society**, *May. 2024*
(Under review, SCIE JCR Q1 IF=11.7)
- [5] Shiyang Sha, **Qi Cheng*** (*Corresponding Author*). Built or Social environment? Effects of perceptions of neighborhood green spaces on resilience of residents to heat waves. **Urban Forestry & Urban Greening**, 94, 128267. *Apr. 2024*
<https://doi.org/10.1016/j.ufug.2024.128267> (SCIE/SSCI JCR Q1 IF=6.4)
- [6] Shiyang Sha, **Qi Cheng*** (*Corresponding Author*). Determining the effects of green space usage on health inequalities among residents of shrinking cities based on a social capital perspective. **Urban Forestry & Urban Greening**, 97, 128375. *Jul. 2024*
<https://doi.org/10.1016/j.ufug.2024.128375> (SCIE/SSCI JCR Q1 IF=6.4)
- [7] Shiyang Sha, **Qi Cheng**, Ming Lu*. Building a “reservoir of social resilience:” A strategy for social infrastructure regeneration in shrinking cities based on social network analysis. **Habitat International**, 143, 102991. *Jan. 2024*
<https://doi.org/10.1016/j.habitatint.2023.102991> (SSCI JCR Q1 IF=6.8)
- [8] Guangmeng Bian, **Qi Cheng**, Gaoning Yan, Shiyang Sha, Meng Zhen*. Effects of landform and building layout on outdoor thermal environment: A case study of mountain villages in severely cold regions. **Journal of Asian Architecture and Building Engineering**. *Aug. 2024*
<https://doi.org/10.1080/13467581.2024.2389162> (SCIE/AHCI JCI Q1 IF=1.5)
- [9] Ming Lu, Shiyang Sha*, **Qi Cheng**. The Inspirations of Action-Oriented Social Infrastructure Regeneration Practices: A Case Study of Bayside City, Australia. **Urban Planning International** (In Chinese). *Nov. 2023*
<https://doi.org/10.19830/j.upi.2023.077> (CSSCI IF=4.7)
- [10] Guangmeng Bian, Xiangyu Gao, Qishu Zou, **Qi Cheng**, Tianyi Sun, Shiyang Sha, Meng Zhen*. Effects of thermal environment and air quality on outdoor thermal comfort in urban parks of Tianjin, China. **Environmental Science and Pollution Research**, 30(43), 97363–97376. *Aug. 2023*
<https://doi.org/10.1007/s11356-023-29130-3> (SCIE JCR Q1 IF=5.8)

Conference papers

- [11] **Qi Cheng**, Shiyang Sha*, Wenya Hao, Wen Cheng, Ming Lu. Evaluation of urban community healing space demand and planning strategies from a health equity perspective-Evidence from Tianjin, China. **Proceedings of the 59th ISOCARP Congress**. Toronto: Isocarp, 2023. *Oct. 2023*
(Presentation)
- [12] **Qi Cheng**, Shiyang Sha*, Wen Cheng, Ming Lu. The thermal environmental characteristics and climate-responsive planning of “Rural Communities” in severe cold regions-Evidence from Zhangjiakou, China. **Proceedings of the 59th ISOCARP Congress**. Toronto: Isocarp, 2023. *Oct. 2023*
(Presentation)
- [13] **Qi Cheng**, Shiyang Sha*, Wen Cheng, Ming Lu. Comparison of the spatial and temporal distribution characteristics of the “Informal Economy” in the context of multi-sector collaboration and governance-Evidence from Tianjin, China. **Proceedings of the 59th ISOCARP Congress**. Toronto: Isocarp, 2023. *Oct. 2023*
(Presentation)
- [14] **Qi Cheng**, Shiyang Sha*, Wen Cheng, Ming Lu. Social infrastructure demand evaluation and planning policies of historical communities from a resilience perspective-Evidence from typical communities in Hebei, China. **Proceedings of the 59th ISOCARP Congress**. Toronto: Isocarp, 2023. *Oct. 2023*
(Presentation)
- [15] Shiyang Sha, **Qi Cheng*** (*Corresponding Author*), Ming Lu, Wen Cheng. Equity-oriented research on the characteristics of socio-spatial differentiation and governance strategies in shrinking cities. **Proceedings of the 59th ISOCARP Congress**. Toronto: Isocarp, 2023. *Oct. 2023*
- [16] Shiyang Sha, **Qi Cheng*** (*Corresponding Author*), Ming Lu, Wen Cheng. Characteristics of “Flash Mob” behavior and cultural transmission in public space based on an inclusive perspective-Evidence from Tianjin City, China. **Proceedings of the 59th ISOCARP Congress**. Toronto: Isocarp, 2023. *Oct. 2023*

[17]

Shiyan Sha, **Qi Cheng*** (*Corresponding Author*), Ming Lu, Wen Cheng. Improving social resilience in shrinking cities through social infrastructure regeneration-A investigation from Hegang, China. **Proceedings of the 59th ISOCARP Congress**. Toronto: Isocarp, 2023.

Oct. 2023

[18]

Shiyan Sha, **Qi Cheng*** (*Corresponding Author*), Ming Lu, Wen Cheng. Spatial Distribution and Usage Characteristics of “Workers’ Harbor” from the Perspective of Opening and Sharing-A Case Study from Tianjin, China. **Proceedings of the 59th ISOCARP Congress**. Toronto: Isocarp, 2023.

Oct. 2023

[19]

Shiyan Sha, **Qi Cheng**, Ming Lu. Research on Theoretical Responses and Updates of Social Infrastructure Aimed at Contraction. **Proceedings of the 2023 China Urban Planning Annual Conference**. 2023.
<https://doi.org/10.26914/c.cnkihy.2023.055866>.
(Poster)

Sep. 2023

[20]

Ming Lu, Wenya Hao, **Qi Cheng**. Analysis and Practice of Ancient Urban Design Concepts Based on Topographical Maps and Travel Notes: A Case Study of Yuanbao Island in Yangliuqing Town, Tianjin City. **Proceedings of the 2023 China Urban Planning Annual Conference**, 2023.
<https://doi.org/10.26914/c.cnkihy.2023.056438>.

Sep. 2023

RESEARCH EXPERIENCES

Projects

National Natural Science Foundation General Project

Aug. 2023

Research on the Impact Mechanisms of Ecosystem Service Supply and Demand of Urban Green Infrastructure and Spatial Optimization Approaches—A Case Study in Northeast China.

- Collected survey data through field research, performing a comprehensive analysis of social resilience in Hegang using SPSS software.
- Authored a published article on resilience in urban green spaces, which explored the spatial distribution characteristics of social capital and examined variations across diverse socio-economic groups.

Ministry of Education Humanities and Social Sciences Planning Project

Dec. 2022

“The Belt and Road” Foreign Expert Innovation Talent Exchange Program.

- Collected, verified, and analyzed thermal environment data from rural villages in cold regions, contributing to the accuracy and reliability of environmental data using ArcGIS and Rayman.
- Drafted the original manuscript proposing a comprehensive spatial layout strategy to enhance the thermal environment of rural villages, addressing various factors influencing thermal conditions.

Planning and Design Scheme of Zouping National Cultural Health Base and Supporting Facilities Project in China

Nov. 2021

- Actively participated in data collection, preliminary site investigations, and information gathering, contributing to informed decision-making as a core member of the team.
- Conducted comprehensive site planning to optimize land use and infrastructure and proposed a spatial distribution strategy to enhance the efficiency and accessibility of healthcare services.

Competitions

WUPENICITY 2020 International Competition on Urban Sustainability Reports

Nov. 2020

- Contributed to the data collection (distribution of questionnaire), data analysis and GIS mapping as a core team member. As well as developed policy recommendations and spatial strategies to address infrastructure disparities and mitigating inequalities.

2022 China International Landscape Planning and Design Competition

Oct. 2022

- Gold Award Recipient (Sole Author): Developed and proposed comprehensive urban regeneration strategies and plans for the Tanggu District of Tianjin using the Analytic Hierarchy Process (AHP) method.

The 10th IDEA-KING International Landscape Planning and Design Competition

Dec. 2020

- Gold Award Recipient: Recognized as a core contributor for site modeling and innovative landscape planning and design solutions.

SKILLS

Technical skills	GIS, SPSS, Geoda, Origin, Python, Java, R, Latex, etc.
Languages	Chinese (native), English (fluent) (IELTS 8.0)