

Qi Cheng

ORCID | Google Scholar | E-mail | Github

Research Interests: Climate Adaption, Sustainable Development, Risk Assessment and Reduction, Health inequality

EDUCATION

- University College London (UK)** Oct. 2025-Present
- **PhD student** in Department of Risk and Disaster Reduction (RDR)
- Harbin Institute of Technology (China)** Sep. 2022-Mar. 2025
- **Master** of Engineering in Urban and Rural Planning
 - Average score: 90.0 /100 | Ranking: 1/38
- Hebei University of Technology (China)** Sep. 2017-Jun. 2022
- **Bachelor** of Engineering in Urban and Rural Planning
 - GPA: 3.90 | Ranking: 2/40

FUNDING & GRANTS

- UCL Careers: Supervisory funding scheme for short-term research projects** Jun. 2026-Present
- For 1500£
- Selected for the UCL Research Culture scheme to design and deliver a 70-hour summer research project for a Careers Extra undergraduate from an underrepresented background, including supervision, mentoring, and applicant interview and selection training.

PUBLICATIONS

* **Corresponding author**

- [1] Cheng, Q., & Sha, S.* (2024). Last defense in climate change: Assessing healthcare inequities in response to compound environmental risk in a megacity in Northern China. **Sustainable Cities and Society**, 115, 105886.
<https://doi.org/10.1016/j.scs.2024.105886> (SCIE Q1 IF=12.0)
- [2] Cheng, Q., & Sha, S.* (2024). 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.
<https://doi.org/10.1016/j.scs.2024.105467> (SCIE Q1 IF=12.0)
- [3] Cheng, Q., & Sha, S.* (2024). Resisting the heat wave: Revealing inequalities in matching between heat exposure risk and healthcare services in a megacity. **Applied Geography**, 167, 103291.
<https://doi.org/10.1016/j.apgeog.2024.103291> (SSCI Q1 IF=5.4)
- [4] Cheng, Q., Sha, S.*, & Cheng, W. (2023). 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> (SSCI Q1 IF=5.4)
- [5] Sha, S., Cheng, Q., & Lu, M.* (2024). Building a “reservoir of social resilience”: A strategy for social infrastructure regeneration in shrinking cities based on social network analysis. **Habitat International**, 143, 102991.
<https://doi.org/10.1016/j.habitatint.2023.102991> (SSCI Q1 IF=7.0)
- [6] Sha, S., & Cheng, Q.* (2024). Built or Social environment? Effects of perceptions of neighborhood green spaces on resilience of residents to heat waves. **Urban Forestry & Urban Greening**, 94, 128267.
<https://doi.org/10.1016/j.ufug.2024.128267> (SCIE/SSCI Q1 IF=6.7)
- [7] Sha, S., & Cheng, Q.* (2024). 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.
<https://doi.org/10.1016/j.ufug.2024.128375> (SCIE/SSCI Q1 IF=6.7)
- [8] Lu, M., Sha, S.*, & Cheng, Q. (2023). The Inspirations of Action-Oriented Social Infrastructure Regeneration Practices: A Case Study of Bayside City, Australia. **Urban Planning International**.
<https://doi.org/10.19830/j.upi.2023.077> (CSSCI/CSCD IF=4.5)

- [9] Bian, G., Gao, X., Zou, Q., Cheng, Q., Sun, T., Sha, S., & Zhen, M.* (2023). 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.
<https://doi.org/10.1007/s11356-023-29130-3> (SCIE Q1 IF=5.8)
- [10] Bian, G., Cheng, Q., Yan, G., Sha, S., & Zhen, M.* (2024). 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***, 1-31.
<https://doi.org/10.1080/13467581.2024.2389162> (SCIE/AHCI IF=1.6)

CONFERENCE PRESENTATIONS

- [1] Cheng, Q., Sha, S., Cheng, W., & Lu, M. (2023). 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, Canada: ISOCARP.
(Presentation)
- [2] Cheng, Q., Sha, S., Cheng, W., & Lu, M. (2023). 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, Canada: ISOCARP.
(Presentation)
- [3] Cheng, Q., Sha, S., Cheng, W., & Lu, M. (2023). 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, Canada: ISOCARP.
(Presentation)
- [4] Cheng, Q., Sha, S., Cheng, W., & Lu, M. (2023). 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, Canada: ISOCARP.
(Presentation)

CERTIFICATES

Reviewer for international journals (30+ peer reviews)

- For the following SCIE/SSCI journals (mostly JCR Q1):
Sustainable Cities and Society (SCIE JCR Q1), ***Habitat International*** (SSCI JCR Q1), ***Cities*** (SSCI JCR Q1), ***Urban Climate*** (SCIE JCR Q1), ***Climate Risk Management*** (SCIE JCR Q1), ***Applied Geography*** (SSCI JCR Q1)

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

HONORS & AWARDS

- [1] Awarded the **Swire Scholarship** at St Antony's College, University of Oxford (2025), funded by the Swire Charitable Trust. (**Full tuition scholarship**)
- [2] Awarded the **UCL Dean's Prize** at Faculty of Mathematical & Physical Sciences, University College London (2025). (**Tuition-fee waiver scholarship, Ranked first among all candidates**)
- [3] Awarded the **China Scholarship Council - UCL Joint Research Scholarship** (2025), jointly funded by University College London and the China Scholarships Council. (**Fully funded scholarship**)
- [4] Awarded the **National Encouragement Scholarship** (2019-2021), funded by Ministry of Education of the People's Republic of China.

SKILLS

Research skills:

Statistical Analysis Methods; Geospatial Analysis Methods; Climate Modelling Methods; Questionnaire and Interview Methods; Team Collaboration and Coordination Methods

Communication skills: Mandarin Chinese (Native); English (Can read, write, speak, understand and peer review), **IELTS 7.0**