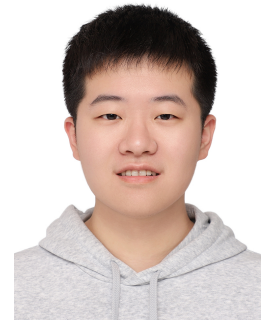


Chenglong Wang

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EDUCATION

Peking University

M.S. in Territorial Spatial Planning (Smart City and Big Data)

– Thesis: TBD.

Beijing, CN

2023/09–2026/06 (Expected)

Wuhan University

B.S. in Geographic Information Science, GPA: 3.98/4.00 (ranked 1st/60 in the dept.)

– Thesis: Urban Land-use Recognition and Monitoring Based on Multi-source Heterogeneous Spatial Big Data: a Multimodal Deep Learning Framework.

Wuhan, CN

2019/09–2023/06

EXPERIENCE

Peking University

Research Intern at SUPD-GeoAI Lab

– Supervisor: Prof. Zhaoya Gong
– Topics: GeoAI, Spatio-temporal Data Mining, and Urban Computing.

Beijing, CN

2022/09–2026/06 (Expected)

SenseTime Research

Research Intern at Fundamental Vision Group (FVG)

– Mentor: Prof. Lewei Lu
– Topics: Artificial General Intelligence, Multimodal Large Language Models.

Shanghai, CN

2022/05–2022/09

Wuhan University

Research Intern at Intelligent Information Processing Lab (IIP)

– Supervisor: Prof. Zhenzhong Chen
– Topics: Visual Relationship Detection and Temporal Action Localization.

Wuhan, CN

2022/01–2022/06

Wuhan University

Research Intern at Urbanisation Research Group (WURG)

– Supervisor: Prof. Mengjun Kang
– Topics: GeoVisualization, Cartography, Information Theory and Image Quality Assessment.

Wuhan, CN

2021/01–2021/12

PUBLICATIONS

Peer-reviewed Journal Articles (*co-first author)

1. **Chenglong Wang**, Tianjiao Chen, et al. TransMI: a Transfer-learning method for generalized Map Information evaluation. *Cartography and Geographic Information Science*, 2023. (Under Review)

2. Zhaoya Gong*, Yuting Chen*, **Chenglong Wang***, et al. Learning spatial interaction representation with Heterogeneous Graph Convolution Networks for urban land-use inference. *International Journal of Geographical Information Science*, 2023. (Under Review)
3. Binbo Li, Donghai Xie, Ying Zhou, Lijuan Zheng, Chongbin Xu, Yibo Fu, **Chenglong Wang**, Bin Liu, Xin Zuo, Yu Wu. Synthesis and Detection Algorithm for Oblique Stripe Noise of Space-borne Remote Sensing Images. *Transactions on Geoscience and Remote Sensing*, 2023. (Under Review)

Peer-reviewed Conference Papers (*co-first author)

1. Guanchen Ding*, Wenwei Han*, **Chenglong Wang***, et al. A coarse-to-fine boundary localization method for naturalistic driving action recognition. *Proceedings of the IEEE/CVF Conference on Computer Vision and Pattern Recognition (CVPR) Workshops*, 2022.

PRESENTATIONS

Oral Presentations

1. Oral Presentation (2023): Uncovering the global and local structures of urban networks via Poincare Embedding. In *City+2023@Perth*, Sep. 8-10, 2023, Perth, Australia.
2. Oral Presentation (2023): Uncovering the global and local structures of urban networks via Poincare Embedding. In *International Symposium on Location-Based Big Data and GeoAI*, Aug. 12, 2023, Cape Town, South Africa.
3. Oral Presentation (2023): TransMI: a Transfer-learning method for generalized Map Information evaluation. In *Annual Conference on GIS Theory and Methods*, May 20, 2023, Guilin, China.
4. Oral Presentation (2022): A Coarse-to-Fine Boundary Localization method for Naturalistic Driving Action Recognition. In *IEEE/CVF Conference on Computer Vision and Pattern Recognition Workshops*, Jun. 20, 2022, New Orleans, USA.

SCHOLARSHIPS

- | | |
|--|------|
| 1. Xia Jianbai Outstanding Student Scholarship, Wuhan University. (RMB: 6,000) | 2022 |
| 2. First-class Undergraduate Scholarship, Wuhan University. (RMB: 3,000) | 2022 |
| 3. Yu Gang & Song Xiao Scholarship, Wuhan University. (RMB: 20,000, Rank: 0.3%) | 2021 |
| 4. First-class Undergraduate Scholarship, Wuhan University. (RMB: 3,000) | 2021 |
| 5. China National Scholarship, Ministry of Education of People's Republic of China. (RMB: 8,000, Rank: 0.3%) | 2020 |
| 6. First-class Undergraduate Scholarship, Wuhan University. (RMB: 3,000) | 2020 |
| 7. Haibin Scholarship, Municipal Government of Kunshan. (RMB: 20,000, Rank: 0.7%) | 2019 |

HONORS

- | | |
|---|------|
| 1. Outstanding Graduate, Wuhan University. | 2023 |
| 2. LuoJia Role Model, Wuhan University. (Top 10/4W+) | 2023 |
| 3. Pacemaker to Merit Student, Wuhan University. (Rank: 0.1%) | 2022 |
| 4. Merit Student, Wuhan University. | 2022 |
| 5. Pacemaker in Learning and Scientific Research, Wuhan University. | 2022 |
| 6. Finalist in Top 10 LuoJia Fengyun Student, Wuhan University. (Rank: 0.06%) | 2022 |
| 7. Merit Student, Wuhan University. | 2021 |
| 8. Social Activist, Wuhan University. | 2021 |

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| 9. Pacemaker in Learning and Scientific Research, Wuhan University. | 2021 |
| 10. Merit Student, Wuhan University. | 2020 |
| 11. Excellent Team Leader of Summer Social Practice, Hubei Committee of the Communist Youth League. | 2020 |
| 12. Advanced Individual in Summer Social Practice, Wuhan University. | 2020 |

AWARDS

- | | |
|---|------|
| 1. Excellent Bachelor's Dissertation in Wuhan University. | 2023 |
| 2. Finalist, International Mathematical Contest in Modeling. | 2022 |
| 3. 7 th /150, CVPR AiCity Challenge. | 2022 |
| 4. Meritorious Winner, International Mathematical Contest in Modeling. | 2021 |
| 5. First Prize, KQ Cup GIScience Competition (Software Development). | 2021 |
| 6. First Prize, SuperMap Cup GIScience Competition (Software Development, Hubei). | 2021 |
| 7. Second Prize, Challenge Cup Technological Innovation Competition (Hubei). | 2021 |
| 8. Second Prize, National Mathematical Contest in Modeling (Hubei). | 2021 |
| 9. Third Prize, SuperMap Cup GIScience Competition (Cartography, Hubei). | 2021 |
| 10. First Prize, Chinese Mathematics Competition. | 2020 |
| 11. First Prize, Hubei Mathematics Competition. | 2020 |
| 12. Second Prize, National English Competition for College Students. | 2020 |
| 13. Second Prize, Translation and Interpreting Contest (Hubei). | 2020 |
| 14. First Prize, Mathematical Olympiad (Jiangsu). | 2018 |
| 15. Second Prize, Chemical Olympiad (Jiangsu). | 2018 |
| 16. Second Prize, Physics Olympiad (Jiangsu). | 2018 |
| 17. Third Prize, Biological Olympiad (Jiangsu). | 2018 |
| 18. Second Prize, Chemical Olympiad (Jiangsu). | 2017 |

SERVICES

Service to the University

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|---|-----------|
| 1. Undersecretary, Department of Sci-tech Practice, SRES, Wuhan University. | 2019–2021 |
| 2. Undersecretary, Young Volunteers Association, SRES, Wuhan University. | 2019–2021 |

SKILLS

- **Programming:** Python, C/C++, Java, Matlab, C#, R, HTML, CSS, JavaScript.
- **Cartography & GIScience:** CorelDraw, Illustrator, Photoshop, ArcGIS, QGIS, ENVI, GEE.
- **Others:** SPSS, Blender, Unity, L^AT_EX, Git, SQL.

LANGUAGES

- **Chinese:** Mother tongue, native speaker.
- **English:** Fluent, CET-6:591, CET-4:621.

HOBBIES

- **Game of Go:** Yon-dan.
- **Ruan:** Grade III.