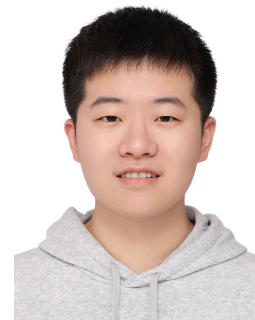


Chenglong Wang

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EDUCATION

Peking University

Beijing, CN

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

2023/09–2026/06 (Expected)

– Thesis: TBD.

Wuhan University

Wuhan, CN

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

2019/09–2023/06 (Expected)

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

EXPERIENCE

Peking University

Beijing, CN

Research Intern at Geospatial Artificial Intelligence Lab (GeoAI)

2022/09–2026/06 (Expected)

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

SenseTime Research

Shanghai, CN

Research Intern at Fundamental Vision Group (FVG)

2022/06–2022/09

– Mentor: Prof. Lewei Lu
– Topics: Artificial General Intelligence, Visual-Language Model.

Wuhan University

Wuhan, CN

Research Intern at Intelligent Information Processing Lab (IIP)

2022/01–2022/06

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

Wuhan University

Wuhan, CN

Research Intern at Urbanisation Research Group (WURG)

2021/01–2021/12

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

PUBLICATIONS

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

1. **Chenglong Wang**, Tianjiao Chen, et al. TransMI: a Transfer-learning method for generalized Map Information measurement. *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)

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.

GRANTS

1. **National Natural Science Foundation of China (General Program)** 2023/03-2027/02
Hierarchical Effect of Cross-scale Crowd Movement in Urban Agglomeration. Participant. (Under Review)
2. **HIECO Foundation** 2023/03-2024/02
Parallel Optimization of Hetero-NodeRank Algorithm Based on CPU-DCU Platform. Participant. (Under Review)
3. **Guangdong Science and Technology Strategic Innovation Fund** 2022/09-2023/12
Urban Land Use Identification and Monitoring Based on Multi-source Heterogeneous Spatial Big Data: a Multimodal Deep Learning Framework. Participant. (RMB: 30,000)

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
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. 7th/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

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.