

Chenglong Wang

School of Urban Planning and Design, Peking University, China
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EDUCATION

Peking University, Beijing, China

- M.S. in Territorial Spatial Planning (Smart City and Big Data)
 - Adviser: Prof. Zhaoya Gong
 - Focus: GeoAI, Spatial Analytics, and Visual Understanding

Sep 2023 – Jun 2026

Wuhan University, Wuhan, China

- B.S. in Geographic Information Science
 - Cumulative GPA: 3.98 / 4.00

Sep 2019 – Jun 2023

RESEARCH EXPERIENCE

Laboratory for Geospatial Artificial Intelligence, Peking University

- Undergraduate Research Student
 - Project: Heterogeneous Graph Convolution Network for Urban Land-use Recognition
 - Supervisor: Prof. Zhaoya Gong
 - Focus: Graph-based Neural Network, and Urban Land-use

Oct 2022 – Jun 2023

Laboratory for Intelligence Information Processing, Wuhan University

- Undergraduate Research Student
 - Project: Naturalistic Driving Action Recognition
 - Supervisor: Prof. Zhenzhong Chen
 - Focus: Visual Relationship Detection, Scene Graph Generation, and Temporal Action Localization

Oct 2021 – Apr 2022

Urbanisation Research Group, Wuhan University

- Undergraduate Research Student
 - Project: Information Theory of Cartography
 - Supervisor: Prof. Mengjun Kang
 - Focus: Image Quality Assessment, and Information Theory

Jan 2021 – Dec 2022

PUBLICATIONS

JOURNALS

- [1] Zhaoya Gong*, Yuting Chen*, Chenglong Wang*, et al. "Learning spatial interaction representation with Heterogeneous Graph Convolution Networks for urban land-use inference" in *International Journal of Geographical Information Science*, under review.
- [2] Chenglong Wang, Tianjiao Chen, et al. "TransMI: a Transfer-learning method for generalized Map Information measurement" in *International Journal of Geographical Information Science*, under review.

CONFERENCES

- [1] Guanchen Ding*, Wenwei Han*, Chenglong Wang*, et al. "A Coarse-to-Fine Boundary Localization method for Naturalistic Driving Action Recognition" in *Proceedings of the IEEE/CVF Conference on Computer Vision and Pattern Recognition (CVPR) Workshops*, 2022, pp. 3234-3241.

HONORS & SCHOLARSHIPS & AWARDS

HONORS

- [1] The Merit Student Awards of Wuhan University. Oct 2022
- [2] The Merit Student Pacemaker Awards of Wuhan University. Oct 2022
- [3] The Learning Scientific Research Pacemaker Awards of School of Resource and Environmental Sciences, WHU. Jun 2022
- [4] The Merit Student Awards of Wuhan University. Oct 2021
- [5] The Special Activist Awards of Wuhan University. Jun 2021
- [6] The Learning Scientific Research Pacemaker Awards of School of Resource and Environmental Sciences, WHU. Jun 2021
- [7] The Merit Student Awards of Wuhan University. Oct 2020
- [8] The Excellent Team Leader Awards of Summer Intern (Hubei). Dec 2020
- [9] The Summer Intern Advanced Individual Awards of Wuhan University. Oct 2020

SCHOLARSHIPS

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| [1] The Xia Jianbai Surveying and Mapping Outstanding Young Student Scholarship of Wuhan University (6,000 ¥). | Dec 2022 |
| [2] The First-Class Undergraduate Scholarship of Wuhan University (3,000 ¥). | Oct 2022 |
| [3] The Yu Gang and Song Xiao Special Scholarship of Wuhan University (20,000 ¥). | Oct 2021 |
| [4] The First-Class Undergraduate Scholarship of Wuhan University (3,000 ¥). | Oct 2021 |
| [5] The National Scholarship for Undergraduate (8,000 ¥). | Oct 2020 |
| [6] The First-Class Undergraduate Scholarship of Wuhan University (3,000 ¥). | Oct 2020 |
| [7] The Haibin Scholarship of Kunshan (20,000 ¥). | Aug 2019 |

AWARDS

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| [1] Finalist in MCM/ICM contest. | May 2022 |
| [2] Third Prize in Bluebridge National Software and Information Technology Professionals Competition (Hubei). | May 2022 |
| [3] Meritorious Winner in MCM/ICM contest. | May 2021 |
| [4] First Prize in KQ Geo Undergraduate Spatial Information Technology Competition. | Dec 2021 |
| [5] First Prize in SuperMap Undergraduate GIScience Competition (Hubei). | Dec 2021 |
| [6] Second Prize in National Undergraduate Mathematical Modeling Competition (Hubei). | Oct 2021 |
| [7] Second Prize in Challenge Cup Undergraduate Extracurricular Academic Science and Technology Works Competition (Hubei). | May 2021 |
| [8] Thrid Prize in SuperMap Undergraduate GIScience Competition (Hubei). | Dec 2021 |
| [9] First Prize in Hubei Undergraduate Mathematics Competition. | Dec 2020 |
| [10] First Prize in National Undergraduate Mathematics Competition. | Dec 2020 |
| [11] Second Prize in National College English Competition. | Dec 2020 |
| [12] Second Prize in Translation and Interpreting Contest of Hubei Province. | Dec 2020 |
| [13] First Prize in Mathematical Olympiad (Jiangsu). | Oct 2018 |
| [14] Second Prize in Chemical Olympiad (Jiangsu). | Oct 2018 |
| [15] Second Prize in Physics Olympiad (Jiangsu). | Oct 2018 |
| [16] Third Prize in Biological Olympiad (Jiangsu). | Oct 2018 |
| [17] Second Prize in Chemical Olympiad (Jiangsu). | Oct 2017 |

CAMPUS ACTIVITIES

Science and Technology Practice Department, SESS, WHU

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| ▪ Vice Minister | Sep 2019 – Jun 2021 |
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Secretary Department of Youth Volunteer Association, SESS, WHU

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| ▪ Vice Minister | Sep 2019 – Jun 2021 |
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LANGUAGES

- Chinese: Native language.
- English: Fluent (CET-6:591, CET-4:621).

SKILLS

C/C++, Java, MATLAB, Python, R, HTML, CSS, JavaScript, \LaTeX , ArcGIS/QGIS, ENVI/GEE, CorelDraw/Adobe Illustrator, Adobe Photoshop, SPSS, MySQL/PostgreSQL, Blender/Unity.

INTERESTS

Game of Go, Ruan.

[CV compiled on 2023-01-03 for Academic Page]