

Mingyue Xu — Curriculum Vitae

Wuhan, Hubei, China. 430072

☎ +86 132-9798-9903 • ✉ mingyxu@whu.edu.cn

Research Interests

- **Big Data and Smart Cities**
Spatiotemporal Data Mining, Intelligent Transport System.
- **Remote Sensing Image Processing**
Object Detection, Semantic Segmentation, Change Detection.

Education

- Master Degree,
Cartography and Geographic Information System,
School of Remote Sensing and Information Engineering, **Wuhan University** 2020.09 – 2023.06
(Supervisor: Professor Peng Yue)
- Bachelor Degree (GPA=3.7/4.0),
Remote Sensing Science and Technology,
School of Remote Sensing and Information Engineering, **Wuhan University** 2016.09 – 2020.06

Project Experience

- **Extraction of Lane-Based Road Map from Crowdsourcing Trace Data** 2022
Research and development of generating lane-level road topology information and road networks from crowdsourcing trace data. This work is supported by Chongqing Changan Automobile Co. Ltd.
- **Vehicle Dispatching Using Deep Reinforcement Learning** 2021–2022
Research and development of multi-agent reinforcement learning models for order matching and vehicle repositioning in ride-hailing services. This work was supported by DongFeng ChangXing Technology Limited Company. A journal paper was published in **IJGIS**. A **patent** was accepted by China National Intellectual Property Administration.
- **Change Detection in Remote Sensing Images** 2020–2021
Research and development of pixel-level change detection where the land cover types have changed in the observation area. This work was supported by South Digital Technology Co. Ltd. A **patent** was accepted by China National Intellectual Property Administration.

Publications

- **Mingyue Xu**, Peng Yue*, et al., Multi-agent reinforcement learning to unify order-matching and vehicle-repositioning in ride-hailing services, International Journal of Geographical Information

Science (IJGIS), 2022. (DOI: 10.1080/13658816.2022.2119477)

Selected Honors

- The Social Activists of Wuhan University. 2018, 2021
- Meritorious Winner, MCM/ICM Contest. 2019
- First Prize, Geoscientific Data Utilization Competition. 2018
- First Prize, APMCM. 2018
- The Outstanding League Cadres of Wuhan University. 2017, 2018

Skills

- **Programming:** Python, Pytorch, Matlab, HTML/CSS/JavaScript, Git
- **Language:** IELTS=7.
- **Other:** \LaTeX , can write well organised and structured reports, good presentation skills, works well in a team.