

# Xiayin Lou

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Personal Website: <https://vezarachan.github.io/>

## RESEARCH INTERESTS

Spatial Intelligence, Location-based Service, Visualization, Shared and On-demand Mobility Service, Transportation

## EDUCATION

Peking University, Beijing, China (2020 – 2023)

M. Sci. in Cartography and Geographic Information System

Zhejiang A & F University, Zhejiang, China (2016 – 2020)

B.S. in Geoinformatics

## PUBLICATIONS

**Xiayin Lou**, Min Sun, Xiang Huang, et. al. (2022). Public Security Emergency-oriented Multi-intelligent Terminal Cooperative Auxiliary System. *Beijing Surveying and Mapping* (01),7- 12. doi:10.19580/j.cnki.1007-3000.2022.01.002.

Xiao Jiang, Lubing Bai, **Xiayin Lou**, et. al. (2022). Usage Patterns Identification and Flow Prediction of Bike-sharing System Based on Multiscale Spatiotemporal Clustering. *Journal of Geo-information Science* (06),1047-1060.

**Xiayin Lou**, Min Sun, Shihao Yang. (2022). A fine-grained navigation network construction method for urban environments. *International Journal of Applied Earth Observation and Geoinformation*, 113, 102994. doi:10.1016/j.jag.2022.102994.

## HONORS / AWARDS

Zhejiang Province Government Scholarship Prize, 2017

Second-class Scholarship Prize, 2017-2019

Peking University May Fourth Scholarship Prize, 2022

## SKILLS

**Programming:** Python, Java, C#, C/C++, JavaScript, HTML, CSS, SQL

**Data Analysis:** MATLAB, Python (Pandas, NumPy, etc.)

**Web Development:** Leaflet, Openlayers, ArcGIS API for JavaScript, Vue.js

**GIS Software:** ArcGIS, QGIS, GeoDa, PostgreSQL/PostGIS

**Database:** MySQL/MariaDB, PostgreSQL, SQL Server

**Deep Learning:** PyTorch