ZHONG Weijing

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EDUCATION

National University of Singapore, Singapore — Aug. 2024 – Aug.2025

- Master of Science in Applied GIS | GPA: 4.65/5.0
- Thesis: Spatial-temporal heterogeneity of international trade by commodities

Tongji University, Shanghai, China — Sept. 2014 – Mar. 2017

- Master of Engineering in Town and Country Planning | GPA: 86.07/100 (top 5%)
- Thesis: Classification and Characteristics of Urban Activity Space in Central Shanghai Based on Cell Phone Data
- Awards: Outstanding Graduate in Shanghai (top 5%), National Scholarship (top 5%)

Nanjing University, Nanjing, China — Sept. 2009 – Jul. 2014

- Bachelor of Engineering in Urban Planning | GPA: 91.2/100 (top 1%) | Minor: Economics

CORPORATE EXPERIENCE

Garnered nine provincial or municipal-level awards for outstanding urban planning projects.

Senior Urban Planner, Hangzhou City Planning and Design Academy, China — Nov. 2024 – Present

- Directed a collaborative team of more than 10 professionals throughout the lifecycle of the Hangzhou Green Space Planning, from bidding, site investigation, reporting, and implementation.
- Planned 300+ urban parks covering 100+ square kilometres using advanced GIS mapping and spatial analysis.
- Promoted the implementation of 260+ parks by guiding detailed plans and coordinating with diverse stakeholders, ensuring integration of land use and sustainable development.

Urban Planner, Hangzhou City Planning and Design Academy, China — May 2017 – Nov. 2024

- Formulated strategic planning for the 235-kilometer Cultural and Artistic Corridor of Qiantang River, by developing spatial and industrial strategies and frameworks in collaboration with key stakeholders.
- Developed the Yungu Innovation Space Plan to optimize land use, fostering a collaborative innovation ecosystem that bridges universities, institutes, and enterprises while accelerating innovative project development.
- Planned public service facilities—including education, cultural, and sports amenities—to enhance accessibility and urban livability, leveraging GIS-based accessibility and network analysis to inform planning decisions.
- Conducted detailed plans that guided land parcel release, supporting effective plan implementation.

ACADEMIC EXPERIENCE

Published 12 journal articles (2 in English, 10 in Chinese) and 11 conference papers (2 in English, 9 in Chinese).

Research Intern, A*STAR Institute of High Performance Computing (IHPC), Singapore — May 2025 - Aug.2025

- Developed a deep learning-oriented Remote Sensing and GIS integration model for an accurate estimation of solar photovoltaic potential and the carbon mitigation effect.

Academic Projects in the National University of Singapore — 2024 – 2025

- Evaluated the spatial equity of park provision in Singapore using the AHP method and GIS analysis tools.
- Analyzed wildfire risk and vegetation change in Butte, USA, using Remote Sensing and machine learning models.

Research Project of Hangzhou Municipal Bureau of Garden and Cultural Relics, China — 2021 – 2022

- Developed a transmission framework for specialized green space planning to detailed planning.
- Outcomes were officially issued by the government, enhancing planning implementation efficacy.

Science Programme of Shanghai Science and Technology Commission, China — 2016 – 2019

- Programming for large-scale spatiotemporal, multi-source datasets to support data-driven urban planning.
- Designed a multi-dimensional GIS-based indicator framework with spatial clustering algorithms to evaluate Shanghai's built environment and urban vitality.

CERTIFICATES AND SKILLS

Professional Qualifications: Certified Urban-Rural Planner (China), Registered Consulting Engineer (China)
Technical Skills: Urban Planning (AutoCAD, SketchUp, Adobe Suite, MS. Office), Geospatial Analysis (ArcGIS, QGIS, Python, R), Web GIS (HTML, CSS, ArcGIS JavaScript API), Data Analysis (SQL, Power BI)