XUANYU ZHOU

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College of Civil Engineering and Architecture, Zhejiang University

Education

Zhejiang University

Bachelor of Engineering in Urban and Rural Planning (5-year program)

09/2021–06/2026 (Expected)

University of California, Berkeley

Exchange Program in College of Environmental Design

01/2025–07/2025 (Expected)

RESEARCH EXPERIENCE

Research Assistant | Monitoring-Mapping-Modeling (3M) lab, UC Berkeley

Supervisor: Prof. Lu Liang | 03/2025–present

> **Developing urban Sky View Factor (SVF) datasets across the United States using airborne LiDAR data,** with validation through comparative analysis of street view imagery. Responsible for processing street view data and conducting preliminary analysis. Collaborating with PhD student Yuye Zhou; project ongoing.

Research Assistant | Qizhenwenxue Research Program, ZJU

Supervisor: Prof. Shuang Ma | 04/2023–Present

> Authored key sections (Introduction, Literature Review, Data & Methods) for a study on **post-pandemic urban revival** using mobile phone signaling data (Nagoya case).

> Contributed to analysis of **built environment impacts on mental health** via Weibo data (Beijing case), focusing on Results & Discussion.

> Investigated **synergies between shared bicycles and built environment** in Shenzhen, co-authoring Data & Methods and Results sections.

Group Lead | Rural Revitalization Social Investigation, ZJU

Supervisor: Prof. Yuehua Zhang | 09/2023–11/2023

> Spearheaded a 10-member team **conducting field surveys on rural revitalization and common prosperity** in Jiashan, Zhejiang; synthesized key findings into a group report.

RESEARCH & ACADEMIC CONTRIBUTIONS

Peer-Reviewed Articles

Ma, S., **Zhou, X.**, Cai, W., et al. (2023). Evaluating the social-economic recovery impacts of built environment for post-pandemic. *Transaction in urban data, science, and technology*. DOI: https://doi.org/10.1177/27541231251314132

Ma, S., Li, W., **Zhou, X.**, Ma, T., He, Y., and Li, S. (Manuscript under review). Future life expectancy extension under bike ride, air pollution exposure, and traffic accidents through modifying the built environment and climate: An integrated modelling study. *Nature Communications.*

Zhou, X., & Chen, M. (Manuscript under review). Greening the Gap: Examining Urban Greenery Equity in Shrinking Cities. *Urban Forestry & Urban Greening*.

Conference Presentations

Zhou, X., & Chen, M. (2024). Greening the Gap: Examining Urban Greenery Equity in Shrinking Cities. 2024 ACSP Annual Conference (Oral Presentation).

Competitions

2024 WUPENiCity Competition: Led research on Park and Ride (P+R) Development Strategies for Urban Railway Stations, overseeing data collection, processing, mapping, and drafting the final report.

HONORS & AWARDS

Zhejiang Provincial Government Scholarship, Zhejiang Province (2024)

Academic Excellence Award, Zhejiang University (2022, 2023, 2024)

Second-Prize Scholarship, Zhejiang University (2023, 2024)

Third-Prize Scholarship, Zhejiang University (2022)

Jincheng Academic Scholarship, Zhejiang University (2023)

Distinguished Investigator, Innovation Center of Yangtze River Delta (2023)

TECHNICAL SKILLS

Programming Languages: Skilled in Python and R for data analysis and modeling.

Geographic Information Systems (GIS): Experienced in spatial data analysis and visualization using GIS tools.

3D Modeling Software: Skilled in Rhino and SketchUp for modeling.

Deep Learning: Entry-level experience in deep learning and AI applications.

Research Tools: Proficient in literature review, and academic writing.