WEN XIAOYU

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RESEARCH EXPERIENCE

Master's Research, Department of Landscape Architecture
Nanjing Agricultural University (2023-2026)

- Successfully secured project funding and completed research objectives on schedule
- Investigated heritage and tourism value of historic urban areas to support sustainable development
- Identified key built environment factors affecting walking behaviors and quantified their effects
- Analyzed walking patterns across diverse built environment types and user groups
- Participated in EEG experiments on rural landscape perception
- Engaged in national academic conferences to track developments in the field

Bachelor's Research, Department of Landscape Architecture
Nanjing Agricultural University (2019-2023)

- Observed and quantified activity intensity, frequency, and type at sites using the SOPARC method
- Conducted in-depth interviews with park visitors, generating over 12,000 words of qualitative data
- Applied grounded theory to develop a model of user satisfaction factors in park fitness areas
- Used deep learning to segment street view images and analyze visual features of landscapes
- Assessed the visual quality of riverside greenways using scenic beauty evaluation
- Acquired extensive landscape architecture knowledge and proficiency in relevant software

RELEVANT RESEARCH SKILLS

- Built environment measurement: green view index, land-use diversity
- Behavioral observation and qualitative analysis: SOPARC method, grounded theory coding
- Data processing and statistical analysis: Python (PyCharm, Jupyter Notebook), SPSS
- GIS and spatial analysis: GIS data processing, spatial analysis, mapping
- Landscape visual assessment: e.g., street view image segmentation, scenic beauty evaluation
- Built environment and human behavior modeling: OLS models, XGBoost models

AWARDS

National Scholarship (RMB 20,000, Top 0.2%, highest national-level award for graduate students) 2023-2024
Provincial Graduate Innovation Project Grant (RMB 15,000, awarded to selected research projects) 2024
National Endeavor Scholarship (RMB 5,000 × 2, twice, awarded to top 10% of students) 2020-2022

EDUCATION

Nanjing Agricultural University (2023-2026)

MLA in Landscape Architecture Average: 87.96 / 100 (Top 30% of Class)

Nanjing Agricultural University (2019-2023)

BLA in Landscape Architecture Average: 91.12 / 100 (Top **1**% of Class)

Relevant Courses:

Landscape Architecture Engineering and Technology (95); Landscape plants and their application (94)
Special Topic on Landscape Architecture Art and Culture (95) Landscape Agriculture planning and Design (91)

TEACHING EXPERIENCE

Admin Assistant, College of Horticulture, Nanjing Agricultural University (2023–2025)

- Assisted in organizing over 50 academic seminars and handled administrative tasks efficiently

Teaching Assistant, LA, Nanjing Agricultural University (2023–2024)

- Scheduled courses and supported in graduate student training and assessment
- Assisted in coordinating the training, administration, and evaluation of over 160 graduate students

ADDITIONAL RELEVANT EXPERIENCE

Biodiversity Survey, Dabie Mountains (Lu’an, Anhui Province) (2024-2025)

- Collaborated in a team to process spatial data with ArcGIS, Ovital Interactive Map, and 2bulu, generated standardized survey maps, including species distribution maps

Zhangdian Town Agro-Cultural-Tourism Plan (Taizhou, Jiangsu Province) (2023-2024)

- Designed festival events and developed agro-tourism planning strategies
- Produced wayfinding system proposals and project presentation slides

ADDITIONAL SKILLS

Data Analysis & Visualization: Proficient in PyCharm and Jupyter Notebook; experienced in developing customized AI-based data analysis and visualization workflows

Mapping & Design: Skilled in GIS, CAD, SketchUp, Photoshop, and Lumion for research and projects.

Microsoft Office: daily use of Microsoft Word (thesis and publications), PowerPoint (conference presentations), Excel (data analysis)

REFEREES

Professor Shaogang Ding, Landscape Architecture, Nanjing Agricultural University, dsg2009@njau.edu.cn

Associate Professor Xing Xiong, Landscape Architecture, Nanjing Agricultural University, xiongxing@njau.edu.cn

PUBLICATIONS

Xiong, X., **Wen, X.**, Yang, S., Liu, L., Zeng, W. (2024). Visual quality assessment and influencing factors analysis of urban waterfront greenway landscape: A case study of Nanjing Jiajiang Riverside Greenway. *Landscape Architecture Academic Journal*, 41(9), 69–77.

Wen, X., Wang, X., Bao,Z. (2023) Evaluation of the use of fitness venues in community parks based on behavioral observation and grounded theory. Conference on Landscape for Well-being & Horticultural Therapy, 2023 China, 02th - 04th December 2023

Zhang Y., Xiong X., Yang S., Zhang Q., Chi M.,**Wen, X.**, et al. (2025) Enhancing the visual environment of urban coastal roads through deep learning analysis of street-view images: A perspective of aesthetic and distinctiveness. PLOS ONE 20(1): e0317585. https://doi.org/10.1371/journal.pone.0317585

Wen, X., Xiong, X., Zhang, X., Liu Q., Qin L., Zhang Q. Toward more equitable walking environments in historic urban areas: A multi-scale analysis of environmental effects using VGI and SVI data (submitted)