

Yiying Wang

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EDUCATION

Tianjin University, School of Architecture Major: Bachelor of Architecture Average Score:88.38/100 GPA:3.68/4.0 WES:3.71/4 Honors & Awards: First prize of national simulation innovation and application competition(2025); Certificate of Outstanding Participant 2025 computational design workshop(2025); Tianjin University Merit Student Scholarship(2024); NITORI International Scholarship(2023); Tianjin University Excellent Student Scholarship(2022);	Tianjin, CN 8.2021–7.2026 (expected)
Polytechnic University of Catalonia, EPSEB Exchange Program Major: Architecture Technology and Building Construction	Barcelona, ES 2.2024–6.2024 Average Score:8.82/10

RESEARCH EXPERIENCE

Humanizing Mixed Reality: Interactive Design with Behavioral Computation-CDAC Workshop Team Leader, Supervisor: Prof. Chao Yan Tongji University	Hangzhou, CN 11.2025
• Co-defined a framework for dynamic social-behavior evaluation and developed Grasshopper- and Python-based modules for calculating distance affinity and velocity consistency. Developed the final normalization and visualization pipeline. Continued the work with Prof. Yan Chao's team to refine the methodology and contribute to a forthcoming publication.	
University of Queensland-Tianjin University Workshop Architect, Supervisor: Prof. Yilin Song Tianjin University	Brisbane, AU 9.2025–11.2025
• Conducted design for a social housing project as part of the Master's studio at UQ, identifying three primary user groups through site visits and secondary data analysis, and developing design strategies tailored to their distinct needs and behaviors.	
Generative Design of Academy School Buildings and Data Set Organization Research Assistant, Supervisor: Prof. Gao Feng Tianjin University	Tianjin, CN 8.2024–11.2024
• Collected and standardized architectural data and parametric models; co-developed a dataset of 500+ entries based on 91 floor plans of academy school buildings for GAN training.	
Development of prediction algorithm for building indoor environment Team Leader, Supervisor: Prof. Quixing Liu Tianjin University	Tianjin, CN 8.2024–10.2024
• Developed data-driven predictive models in Python using NumPy, Pandas, Scikit-learn, and PyTorch to forecast indoor environmental conditions (temperature, humidity, CO ₂), independently mastering ML and deep-learning workflows while cleaning and validating 10,000+ records.	

Iowa State University Rome Workshop

Architect, Supervisor: Prof. Chiu-Shui Chan Iowa State University	Rome, IT 7.2023–8.2023
• Partnered with Geography majors leading to urban and museum design proposals based on the interaction between viewers and ruins and relations with surrounding historical spots by using CAD, SketchUp, PS, and Rhino; Achieved GPA of 4.0/4.0.	

PROFESSIONAL EXPERIENCE

Tianjin Zhujing architectural design consulting (Tianjin) Co., Ltd Assistant Architect	Tianjin, CN 7.2025–9.2025
• Contributed to the schematic design and development of large-scale projects (Jiuhua Mountain National Cultural Tourism Area, 50,000+ sqm) by refining massing models in SketchUp through site research and literature review, and supporting five design iterations with presentation drawings in CAD and Photoshop.	
Eleline design studio, shanghai Co.,Ltd. Design Intern	Shanghai, CN 2.2025–4.2025
• Led the design of the Meixin Mooncake 2025 Mid-Autumn Lantern Pop-up Exhibition, conducting brand research and competitive analysis to develop two modular pop-up booth systems; Collaborated in four iterative design reviews with stakeholders, resulting in successful deployment across 20+ shopping malls in Shanghai.	

PUBLICATION

Xinge Du; Rui Gao; Ruibin Zhou; Yazhuo Zhang; Xin Wang; **Yiying Wang**; Zeqi Zheng; Interdisciplinary Laboratory Environment and Spatial Performance: An Integrated Study Using SEM and Space Syntax. Building and Environment (SCIE Q1), 2025.(Manuscript under Review)

SKILLS & OTHERS

Technical Skills: Proficient in Figma, Rihno, Grasshopper, AutoCad, Adobe Photoshop, D5 render, Programming(C++, Python), Activities: Member of the school Enrollment Promotion Association association (volunteer time 60+h).