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RESEARCH AREA: Walkability, Healthy Cities, Knowledge Graphs



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Zhiheng Shu is a PhD student in the Department of Architecture, College of Design and Engineering, National University of Singapore. She joined NUS in 2025 and conducts her doctoral research under the supervision of Professor Pieter Herthogs. Her research interests include walkability, healthy cities, and the application of ontologies, knowledge graphs, and AI to the assessment and improvement of urban environments.

Before joining NUS, Zhiheng obtained Master of Architecture degrees from Tongji University and Politecnico di Milano through a dual-degree programme. During her master's studies, she participated in the National Natural Science Foundation of China research project, "Research on the Coupling Mechanism between 'Field Infrastructure' and Urban Public Space."

She was also a member of the writing team for *Regeneration of Industrial Remains*, published by China Architecture & Building Press in 2025. Her work combines architectural and urban research with computational approaches to support healthier and more walkable cities.