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# Haoran MA

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[Researchgate](#) [Github](#)

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## EDUCATION

### Jiangnan University

Sep. 2021 - Jun. 2024

Master of Environmental Design. Main courses: Habitat Community Design, Sociology of Design, System Innovation and Strategic Design, Literature Study and Writing

### Chongqing University (GPA: 90.32 & RANK: 2/33)

Sep. 2017 - Jun. 2021

Bachelor of Environmental Design. Main courses: Residential District Planning Design, Landscape Planning Design of Pedestrian Street

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## PUBLICATION

Ma, H., Xu, Q., & Zhang, Y. (2023). High or low? exploring the restorative effects of visual levels on campus spaces using machine learning and street view imagery. *Urban Forestry & Urban Greening*, 128087. [[Link](#)]

Jiang, S., Ma, H., Yang, L., & Luo, S. (2023). The influence of perceived physical and aesthetic quality of rural settlements on tourists' preferences—A case study of Zhaoxing Dong Village. *Land*, 12(8), 1542. [[Link](#)]

Ma, H., & Zheng, H. (2023). Text Semantics to Image Generation: A method of building facades design base on Stable Diffusion model (Accepted) (*DigitalFUTURES-CDRF 2023: The 5th Conference on Computational Design and Robotic Fabrication*)

Ma, H., Zhang, Y., Liu, P., Zhang, F., & Zhu, P. (2023). How does spatial structure affect psychological restoration? A method based on Graph Neural Networks and Street View Imagery (Preprint) [[Link](#)]

Ma, H., & Wu, D. (2023). A natural language processing-based approach: mapping human perception by understanding deep semantic features in street view images (Preprint) [[Link](#)]

Jiang, S., Yang, L., & Ma, H. (2023). Study on gene recognition and application of Dong traditional settlement landscape—A case study of Dong Village in Zhaoxing, Guizhou Province. *Huazhong Architecture (Chinese Journal)*(11), 81-85. [[Link](#)]

Ma, H. (2022). Research on spatial form and elements of living settlement in Huanggang Dong Village, Guizhou (Accepted) (*Urbanism and Architecture: Chinese*)

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## EXPERIENCE

### Machine Intelligence Lab (Westlake University)

July. 2023 - Sep. 2023

- Visitor student (full-time). In the research of robotic intelligence, the Large Language Model (LLM) and the Visual Language Model (VLM) are used as sensing ends of robotic arms to control robots to complete downstream tasks. Corresponding for the robot arm simulation environment and VLM code project.

### DESIS Lab (Jiangnan University)

May. 2022 - Aug. 2022

- Designer (part-time). COVID-19 shelter hospital design. Based on the modular design concept, we built a variety of mobile cabin hospital models that can respond quickly. Corresponding organization and PPT.

### Chongqing University Architectural Planning and Design Institute

Oct. 2020 - Mar. 2021

- Urban Planning Intern (part-time). Participated in the future development planning of Chongqing Jinpo Mountain, Nanchuan District Industrial Park and Yunnan Campus. Corresponding animations, and models.

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## HONORS AND AWARDS

- China National Scholarship - 2023
- China National Scholarship - 2021
- China Inspirational Scholarship - 2020
- Jiangnan University Academic Scholarship (First Class) - 2022
- Chongqing University Academic Scholarship (First Class) - 2019 and 2020

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## SKILLS

- Software: Python, L<sup>A</sup>T<sub>E</sub>X, Markdown, ArcGIS, AutoCAD, Rhino, SPSS, Photoshop
- Language: IELTS: 6.0 (L: 5.5, R: 6.5, W: 6.0, S: 6.0)