

Curriculum Vitae

Lepeng Huang

Ph.D. Student at the University of Washington, December 2025

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Education

University of Washington

Seattle, WA, USA

Interdisciplinary Ph.D. Program in Urban Design and Planning *June 2029 (Expected)*

- Advisor: Prof. Arthur Acolin.
- Co-advisor: Prof. Qing Shen.

Zhejiang University

Hangzhou, China

Master of Urban Planning

June 2025 (Early Graduation)

- Advisor: Prof. Guoqiang Shen.

B.Eng. in Urban and Rural Planning

June 2023

- Outstanding graduate.
- Recommended for graduate admission without entrance exam.

Research Interests

Urban economics.

Real estate and housing markets.

Spatial matching of public service and population:

- Location choice, employing game theory.
- Location allocation, employing operations research.

Win-win strategies in urban planning and development.

Publications

Huang, L., Zhang, K., Zheng, Q., Zhou, Y., Li, J., & Shen, G. (2025). Systemic planning vs. individual choice: The optimal matching for urban healthcare facilities and patient population. *Applied Geography*, 179, 103641.

Huang, L., Zhang, K., Sun, Y., Shen, G., & Coursey, D. (2024). Application of Gale-Shapley Algorithm in Optimal Matching for Healthcare Facilities to Elderly Population: The Case of Hangzhou, China. *Applied Economics*, 1-12.

Huang, L., Shen, G., & Zhang, K. (2025). Simulated Stable Matching for Urban Hospitals and Residential Communities. *Applied Economics Letters*, 1-7.

Huang, L., Tong, C., Zhou, Y., & Chen, Q. (2021). Resilience Evaluation of Healthcare Facilities in Hangzhou Based on AHP-CRITIC and Matter-Element Analysis. *Spatial Governance for High-quality Development: Proceedings of the 2021 China Urban Planning Annual Conference*, 226-238. (in Chinese)

Conferences

The 18th International Association for China Planning Conference July 2024

- Oral Presentation: On Feasible and Stable Spatial Matching of Urban Healthcare Facilities and Population.

2024 Chinese Economists Society China Annual Conference July 2024

- Oral Presentation: On Feasible and Stable Spatial Matching of Urban Healthcare Facilities and Population.

Professional Experience

Research Internship, Urban Development and Planning Innovation Joint Research Center, China Eco-City Academy and Zhejiang University 2024 - 2025

International Competitions, Overall Urban Design and Downtown Detailed Urban Design of Dongyang City 2023

Urban Planning and Design, Science and Technology City of Zhuji City 2022

Internship, Zhejiang University Urban-Rural Planning & Design Institute 2022

International Exchange Program, Urban Regeneration and Infrastructure Construction in University of Cambridge 2020

Honors & Grants

Fellowship, Graduate School at University of Washington 2025 - 2026

Outstanding Graduate, Zhejiang University 2023

Fellowship, Zhejiang University 2019 - 2022

Grant, ¥10000, National Undergraduate Training Program for Innovation and Entrepreneurship 2020 - 2021

Synergistic Activities

Host of Fellow Presentations, City+ Research Network 2025 - Present

Class Monitor and Leader, Zhejiang University 2019 - 2023

Leader of Photography Department and Deputy Director, Radio and Television Station of Zhejiang University 2020 - 2021