

Curriculum Vitae

Lepeng Huang

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1. 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.
- Student representative during 2026-2027.

Zhejiang University

Hangzhou, China

Master of Urban Planning

June 2025

- Advisor: Prof. Guoqiang Shen.
- The first graduate student in the department to achieve early graduation.

B.Eng. in Urban and Rural Planning

June 2023

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

2. Research Interests

Urban economics.

Housing policy and markets:

- Leverage and market cycles.
- Household finance.

Spatial matching of public service and population:

- Bottom-up location choice, employing game theory.
- Top-down location allocation, employing operations research.

Win-win strategies in tackling planning problems.

3. 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., Shen, G., Zhang, K. & Coursey, D., On Feasible and Stable Spatial Matching Of Urban Healthcare Facilities and Population (January 30, 2024). *Available at SSRN:* <http://dx.doi.org/10.2139/ssrn.4751132>

4. Working Papers

The Leverage Shocks, Market Dynamics, and Downturn of China's Urban Housing Market. (**First author**, 2026).

The Interactions across the Space, Asset and Capital Market in Real Estate: Evidence from 132 Cities in China. (**First author**, 2026).

A Probabilistic Capital Cost Modeling Framework for Reducing Financial Uncertainty in EV Charging Infrastructure Deployment. (**Co-authored with Abdul-Razak Alidu**, accepted for presentation in SASBE/FR/BDTSC 2026 and CONVR/ICIO 2026).

5. 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.

6. Professional Experience

Academic Volunteer, Frontiers of Urban and Rural Planning *2026 – Present*

Host of Fellow Presentations, City+ Research Network for Interdisciplinary Urban Studies (2 sessions to date) *2025 – Present*

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*

7. 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

8. Synergistic Activities

Service as a Student Representative, Interdisciplinary Ph.D. Program in Urban Design and Planning, University of Washington *2026 – 2027*

Class Monitor and Leader, Zhejiang University *2019 – 2023*

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