

# Curriculum Vitae

Lepeng Huang

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## 1. Education

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### 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

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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

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**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

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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

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**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

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**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

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**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**

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**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*