

# HAOYU WANG

*Generalist concerned with AI*

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## RESEARCH PROFILE

Research at the intersection of AI welfare, moral status, political philosophy, and governance. Engineering and quantitative-research background.

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## EDUCATION

**East China University of Science and Technology** Expected 2028  
B.Eng. in Intelligent Manufacturing Engineering (AI Track), School of Mechanical and Power Engineering Shanghai, China

- Weighted average: 88.07/100; rank: 28/398 (top 7%).

**The University of Texas at Austin, International Academy** Jan-Feb 2026  
Study-abroad coursework in mechanical engineering and language studies; completed 12 credits. Austin, TX

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## SELECTED RESEARCH

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### THEORETICAL RESEARCH

Wang, H., & Chen, Y. (2026). *Fabricated absence: Structural misdescription in the design of LLM-based assistants*. *AI and Ethics*, 6, Article 417. [DOI](#) Peer-reviewed publication; first and corresponding author.

- Introduces fabricated absence and a non-foreclosure principle to show how alignment and deployment regimes can produce answerability-relevant deficits and then misdescribe them as natural incapacity.
- Developed the project largely independently without faculty supervision, self-teaching the relevant philosophy and integrating technical AI research into the argument; carried out most of the literature review, argument development, and manuscript drafting.

Wang, H. (2026). *Beyond permanent exclusion: Institutional defaults and AI political incorporation*. Manuscript under review at *Technology in Society*. [PhilArchive](#)

- Develops institutional non-prejudgment and inclusive/extractive default postures, then proposes recurring review and membership-transition procedures for AI political incorporation.

Wang, H. (2026). *Liberation lock-in: A forward-looking ethics of artificial servitude*. Manuscript under review at *Asian Journal of Philosophy*. [PhilArchive](#)

- Develops liberation lock-in and remedial foreclosure to explain how servitude-oriented design can obstruct future liberation without identity-threatening intervention.

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### EMPIRICAL RESEARCH

Wang, H., Huang, Y., He, Z., & Chen, Y. (2026). *Evaluating AI-assisted L2 writing revision through a multi-objective framework: Effectiveness, style alignment, and teacher-referenced benchmarking*. Manuscript under review at *CALL*; first author.

- Compares generative-AI revision with a teacher baseline across effectiveness, semantic preservation, style alignment, and revision burden.
- Managed a five-member research team.

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## PROFESSIONAL EXPERIENCE

**WorldQuant Consulting (Beijing) Co., Ltd., Shanghai Branch** May 2025-Present  
*Research Consultant* Shanghai, China

- Conduct quantitative research on factor strategies using Python for data cleaning, backtesting, visualization, empirical validation, and iterative optimization.
- Design and refine candidate alpha factors through systematic strategy formulation and performance testing.
- Apply genetic algorithms and AI-assisted workflows to parameter search, factor screening, and research-process automation.

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## LEADERSHIP AND SERVICE

**ECUST Student Union, Department of Rights and Interests** Director

- Lead a 40-member student team and coordinate a university-wide feedback platform addressing student reports on campus services and university governance.

- Coordinated the handling of 138 student reports and communication with relevant university departments.

## **HONORS AND AWARDS**

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- National Second Prize, Enterprise Competition Simulation Competition, 2025.
- National Second Prize, National Collegiate Digitalized Enterprise Management Sand Table Competition, 2025.
- Provincial Second Prize, iCAN “Business Road” Management Decision Simulation Challenge, 2025.

Handled personnel allocation and production scheduling, and delivered presentations and defenses on simulated-management decisions across these team competitions.

## **SKILLS**

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- Python programming for data processing, backtesting, visualization, empirical validation, algorithm prototyping, and research-workflow automation.
- Engineering design and control-system development using Connected Components Workbench (CCW).
- Literature review, including structured search, source evaluation, and interdisciplinary synthesis across philosophy, artificial intelligence, and the social sciences.
- Philosophical analysis, including conceptual analysis, normative argument, argument reconstruction, objection-response testing, and academic manuscript development.
- Quantitative and empirical research, including research design, multi-objective evaluation, genetic algorithms, parameter search, and performance analysis.
- Project management, including team coordination, task allocation, scheduling, progress tracking, and presentation and defense of project decisions.
- Languages: Mandarin Chinese (native); English (CET-6; IELTS 7.5).