

HAOYU WANG

Generalist concerned with AI

Shanghai, China | whygmail072@gmail.com | [PhilPapers](#) | [ORCID 0009-0005-7792-2702](#)

RESEARCH PROFILE

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

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

SELECTED RESEARCH

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.

Wang, H. (2026). *Liberation lock-in: A forward-looking ethics of artificial servitude*.

Manuscript under peer review at *Asian Journal of Philosophy*. [PhilArchive](#); solo author.

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

Wang, H. (2026). *Beyond permanent exclusion: Institutional defaults and AI political incorporation*.

Manuscript under peer review at *Mind and Machine*. [PhilArchive](#); solo author.

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

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 peer 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.

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.

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.

HONORS AND AWARDS

- 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

- 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 (IELTS 7.5).