

# Jianliang He

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## RESEARCH INTERESTS

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Statistical Decision-making; Machine Learning Theory; Selective Inference.

## EDUCATION

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|---|------------------|
| <b>Yale University</b>  | 2024.9 - Present |
| Department of Statistics and Data Science                       | New Haven, CT    |
| Ph.D. in Statistics   |                  |
| <b>Fudan University</b>   | 2020.9 - 2024.6  |
| Department of Statistics and Data Science, School of Management | Shanghai, China  |
| B.S. in Statistics  |                  |

## RESEARCH PAPERS

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\* stands for equal contribution or alphabetical ordering.

1. **He, J.\***, Chen, S.\*, Zhang, F., Yang, Z. “From Words to Actions: Unveiling the Theoretical Underpinnings of LLM-Driven Autonomous Systems”. *International Conference on Machine Learning (ICML)*, 2024.
2. **He, J.**, Zhong, H., Yang, Z. “Sample-Efficient Learning of Infinite-Horizon Average-Reward MDPs with General Function Approximation”. *International Conference on Learning Representations (ICLR)*, 2024.
3. Banerjee, T.\*, Gang, B.\*, **He, J.\***. “Harnessing the Collective Wisdom: Fusion Learning using Decision Sequences from Diverse Sources”. Under R&R at *Journal of the Royal Statistical Society, Series B (Statistical Methodology)*, 2023.

## HONORS & AWARDS

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| First Prize Scholarship for Outstanding Students (Top 1%), Fudan University  | 2022 - 2023 |
| Outstanding Award, Fudan Undergraduate Research Opportunity Program (FDUROP) | 2022, 2023  |

## TEACHING EXPERIENCE

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| Teaching Assistant, MANA130083.01 Nonparametric Statistics, Fudan University | Spring, 2023 |
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## SKILLS & INTERESTS

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**Programming:** Python, R, Matlab, SQL, C/C++,  $\text{\LaTeX}$ .

**Languages:** Chinese (Native), English (Fluent).

**Interests:** Photography, Texas Holdem.

## PROFESSIONAL SERVICE

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**Conference Reviewer:** NeurIPS 2024, ICLR 2025.