

# Pingbang Hu



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## EDUCATION

- University of Illinois Urbana-Champaign** Illinois
  - Ph.D. Student in Information Science, School of Information Science Aug. 2023 – Present
    - Advisor: Jiaqi Ma
    - Research Area: Theoretical Artificial Intelligence & Theoretical Computer Science
- University of Michigan** Michigan
  - B.Sc. in Computer Science with Summa Cum Laude, College of Engineering Aug. 2021 – May 2023
    - Minor: Mathematics, College of Literature, Science, and the Arts
- Shanghai Jiao Tong University** Shanghai, China
  - B.Eng. in Electrical and Computer Engineering, UM-SJTU Joint Institute Aug. 2019 – Aug. 2023
    - Minor: Computer Science, UM-SJTU Joint Institute

## SELECTED RESEARCH EXPERIENCE

- Sugiyama Laboratory, National Institute of Informatics** Tokyo, Japan
  - Research Intern May 2024 – Aug. 2024
    - Advisor: Mahito Sugiyama
- Theory of Computation Laboratory, University of Michigan** Michigan
  - Undergraduate Researcher Mar. 2022 – Dec. 2023
    - Advisor: Thatchaphol Saranurak
- SURE Program, University of Michigan** Michigan
  - Undergraduate Researcher May 2022 – Apr. 2023
    - Advisor: Wei Hu
- FORESEER Research Group, University of Michigan** Michigan
  - Undergraduate Research Assistant Dec. 2021 – Jan. 2023
    - Advisor: Jiaqi Ma

## PRE-PRINTS AND TECHNICAL REPORTS

(\* denotes equal contribution)

- [P1] Yuzheng Hu\*, **Pingbang Hu\***, Han Zhao, Jiaqi Ma, “Most Influential Subset Selection: Challenges, Promises, and Beyond”. *In submission*
- [P2] Yiwen Tu\*, **Pingbang Hu\***, Jiaqi Ma, “Towards Reliable Empirical Machine Unlearning Evaluation: A Game-Theoretic View”. *In submission*
- [P3] **Pingbang Hu**, “Travel the Same Path: A Novel TSP Solving Strategy”. *Preprint*

## TEACHING EXPERIENCE

- Instructional Aide, University of Michigan** Michigan
  - Hold discussion and office hour weekly, design assignment and exam problems, grade and guide projects.
    - Introduction to Cryptography**: An upper-level course on the main undergraduate CS track. Winter 2023
    - Randomness and Computation**: A graduate-level course on the M.S. CS theory track. Fall 2022
- Teaching Assistant, Shanghai Jiao Tong University** Shanghai, China
  - Hold discussion and office hour weekly, design and grade assignments and exams.
    - Honor Mathematics III**: An undergraduate-level course on the main B.Eng. ECE track. Summer 2021
    - Honor Mathematics II**: An undergraduate-level course on the main B.Eng. ECE track. Fall 2020

## HONORS AND AWARDS

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<b>Hong Kong, Macao and Taiwan Overseas Chinese Student Scholarship</b> ▪ <i>First Prize (Ranked #2) among all HK, MC and TW students in Shanghai Jiao Tong University</i>	<b>Shanghai, China</b> <i>Oct. 2021</i>
<b>Undergraduate Excellent Scholarship</b> ▪ <i>Third Prize among all students in UM-SJTU Joint Institute</i>	<b>Shanghai, China</b> <i>Nov. 2020</i>
<b>Bao Gang Excellent Scholarship</b> ▪ <i>Second Prize (Ranked #3) among all Taiwan students in Shanghai Jiao Tong University</i>	<b>Shanghai, China</b> <i>June 2020</i>
<b>Hong Kong, Macao and Taiwan Overseas Chinese Student Scholarship</b> ▪ <i>First Prize (Ranked #1) among all HK, MC and TW students in UM-SJTU Joint Institute</i>	<b>Shanghai, China</b> <i>Dec. 2019</i>

## PROFESSIONAL SERVICE

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- Conference Reviewer**
- *ICML 2024, IEEE BigData 2023*