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

Hong Kong, Macao and Taiwan Overseas Chinese Student Scholarship　　**Shanghai, China**
- *First Prize (Ranked #2) among all HK, MC and TW students in* Shanghai Jiao Tong University　　*Oct. 2021*

Undergraduate Excellent Scholarship　　**Shanghai, China**
- *Third Prize among all students in* UM-SJTU Joint Institute　　*Nov. 2020*

Bao Gang Excellent Scholarship　　**Shanghai, China**
- *Second Prize (Ranked #3) among all Taiwan students in* Shanghai Jiao Tong University　　*Jun. 2020*

Hong Kong, Macao and Taiwan Overseas Chinese Student Scholarship　　**Shanghai, China**
- *First Prize (Ranked #1) among all HK, MC and TW students in* UM-SJTU Joint Institute　　*Dec. 2019*

Professional Service

Conference Reviewer
- *ICML 2024, IEEE BigData 2023*