

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

RESEARCH AND INDUSTRY 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
- Chief Noob** Shanghai, China
 - Backend Developer* Oct. 2020 – June 2021

PRE-PRINTS AND TECHNICAL REPORTS

(* denotes equal contribution)

- [P1] **Pingbang Hu**, Mahito Sugiyama, “Pseudo-Non-Linear Data Augmentation with Information Geometry”. *Preprint*
- [P2] Xinhe Wang, **Pingbang Hu**, Junwei Deng, Jiaqi Ma, “Adversarial Attacks on Data Attribution”. *Preprint*
- [P3] Yuzheng Hu*, **Pingbang Hu***, Han Zhao, Jiaqi Ma, “Most Influential Subset Selection: Challenges, Promises, and Beyond”. *In submission*
- [P4] Yiwen Tu*, **Pingbang Hu***, Jiaqi Ma, “Towards Reliable Empirical Machine Unlearning Evaluation: A Game-Theoretic View”. *In submission*
- [P5] **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

Excellent Internship Evaluation ▪ <i>Best internship evaluation result in National Institute of Informatics</i>	Tokyo, Japan <i>Aug. 2024</i>
Hong Kong, Macao and Taiwan Overseas Chinese Student Scholarship ▪ <i>First Prize (Ranked #2) among all HK, MC and TW students in Shanghai Jiao Tong University</i>	Shanghai, China <i>Oct. 2021</i>
Undergraduate Excellent Scholarship ▪ <i>Third Prize among all students in UM-SJTU Joint Institute</i>	Shanghai, China <i>Nov. 2020</i>
Bao Gang Excellent Scholarship ▪ <i>Second Prize (Ranked #3) among all Taiwan students in Shanghai Jiao Tong University</i>	Shanghai, China <i>June 2020</i>
Hong Kong, Macao and Taiwan Overseas Chinese Student Scholarship ▪ <i>First Prize (Ranked #1) among all HK, MC and TW students in UM-SJTU Joint Institute</i>	Shanghai, China <i>Dec. 2019</i>

PROFESSIONAL SERVICE

Conference Reviewer ▪ <i>ICML 2024, IEEE BigData 2023, ICLR 2025, AAAI 2025</i>
