

EDUCATION

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

RESEARCH AND INDUSTRY EXPERIENCE

Sugiyama Laboratory, National Institute of Informatics	Tokyo, Japan
▪ <i>Research Intern</i>	<i>May 2024 – Aug. 2024</i>
◦ Advisor: Mahito Sugiyama	
Theory of Computation Laboratory, University of Michigan	Michigan
▪ <i>Undergraduate Researcher</i>	<i>Mar. 2022 – Dec. 2023</i>
◦ Advisor: Thatchaphol Saranurak	
SURE Program, University of Michigan	Michigan
▪ <i>Undergraduate Researcher</i>	<i>May 2022 – Apr. 2023</i>
◦ Advisor: Wei Hu	
FORESEER Research Group, University of Michigan	Michigan
▪ <i>Undergraduate Research Assistant</i>	<i>Dec. 2021 – Jan. 2023</i>
◦ Advisor: Jiaqi Ma	
Chief Noob	Shanghai, China
▪ <i>Backend Developer</i>	<i>Oct. 2020 – June 2021</i>




PEER-REVIEWED CONFERENCE PUBLICATIONS

(* denotes equal contribution)

- [C1] Yuzheng Hu, **Pingbang Hu**, Han Zhao, Jiaqi Ma, “Most Influential Subset Selection: Challenges, Promises, and Beyond”. In *Proceedings of the 38th Advances in Neural Information Processing Systems* (NeurIPS 2024) (25.8% accepted rate)
- [C2] Junwei Deng*, Ting-Wei Li*, Shiyuan Zhang, Yijun Pan, Hao Huang, Xinhe Wang, **Pingbang Hu**, Xingjian Zhang, Jiaqi Ma, “**dattri**: A Library for Efficient Data Attribution”. In *Proceedings of the 38th Advances in Neural Information Processing Systems Datasets and Benchmarks Track* (NeurIPS 2024) (**Spotlight**)

PRE-PRINTS AND TECHNICAL REPORTS

(* denotes equal contribution)

- [P1] **Pingbang Hu**, Mahito Sugiyama, “Pseudo-Non-Linear Data Augmentation via Energy Minimization”. *In submission*
- [P2] Xinhe Wang, **Pingbang Hu**, Junwei Deng, Jiaqi Ma, “Adversarial Attacks on Data Attribution”. *In submission* 
- [P3] Yiwen Tu*, **Pingbang Hu***, Jiaqi Ma, “Towards Reliable Empirical Machine Unlearning Evaluation: A Game-Theoretic View”. *In submission* 
- [T1] **Pingbang Hu**, “Travel the Same Path: A Novel TSP Solving Strategy”. *Technical Report* 

TEACHING EXPERIENCE

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

HONORS AND AWARDS

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

PROFESSIONAL SERVICE

- Conference Reviewer**
- *ICML 2024, IEEE BigData 2023, ICLR 2025, AAAI 2025*