

EDUCATION




University of Illinois Urbana-Champaign <ul style="list-style-type: none">Ph.D. Student in Information Science, School of Information Science<ul style="list-style-type: none">Advisor: Jiaqi MaResearch Area: Trustworthy Machine Learning & Statistical Learning Theory	Illinois Aug. 2023–Present
University of Michigan <ul style="list-style-type: none">B.Sc. in Computer Science with Summa Cum Laude, College of Engineering<ul style="list-style-type: none">Minor: Mathematics, College of Literature, Science, and the Arts	Michigan Aug. 2021–May 2023
Shanghai Jiao Tong University <ul style="list-style-type: none">B.Eng. in Electrical and Computer Engineering, UM-SJTU Joint Institute<ul style="list-style-type: none">Minor: Computer Science, UM-SJTU Joint Institute	Shanghai, China Aug. 2019–Aug. 2023

RESEARCH AND INDUSTRY EXPERIENCE

Sugiyama Laboratory, National Institute of Informatics <ul style="list-style-type: none">Research Intern<ul style="list-style-type: none">Advisor: Mahito Sugiyama	Tokyo, Japan May 2024–Aug. 2024
Theory of Computation Laboratory, University of Michigan <ul style="list-style-type: none">Undergraduate Researcher<ul style="list-style-type: none">Advisor: Thatchaphol Saranurak	Michigan Mar. 2022–Dec. 2023
SURE Program, University of Michigan <ul style="list-style-type: none">Undergraduate Researcher<ul style="list-style-type: none">Advisor: Wei Hu	Michigan May 2022–Apr. 2023
FORESEER Research Group, University of Michigan <ul style="list-style-type: none">Undergraduate Research Assistant<ul style="list-style-type: none">Advisor: Jiaqi Ma	Michigan Dec. 2021–Jan. 2023
Chief Noob <ul style="list-style-type: none">Backend Developer	Shanghai, China Oct. 2020–June 2021




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, “**datttri**: A Library for Efficient Data Attribution”. In *Proceedings of the 38th Advances in Neural Information Processing Systems Datasets and Benchmarks Track* (NeurIPS 2024) (**Spotlight**) 
- [C3] Xinhe Wang, **Pingbang Hu**, Junwei Deng, Jiaqi Ma, “Adversarial Attacks on Data Attribution”. In *2nd Workshop on Attributing Model Behavior at Scale at the Advances in Neural Information Processing Systems* (ATTRIB@NeurIPS 2024) 

PRE-PRINTS AND TECHNICAL REPORTS

(* denotes equal contribution)

- [P1] **Pingbang Hu**, Mahito Sugiyama, “Pseudo-Non-Linear Data Augmentation via Energy Minimization”. *In submission* 
- [P2] 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

- **Graduate Teaching Assistant, University of Illinois Urbana-Champaign** **Illinois**
 - *Hold discussion and office hour weekly, design assignment and exam problems, grade and guide projects.*
 - **Network Analysis**: A graduate-level course on the M.S. IS track. *Spring 2025*
- **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

- **NeurIPS 2024 Scholar Award** **British Columbia, Canada**
 - *Financial Aid Award for NeurIPS 2024* *Oct. 2024*
- **Excellent Internship Evaluation** **Tokyo, Japan**
 - *Best internship evaluation result in National Institute of Informatics* *Aug. 2024*
- **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* *June 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

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