

## EDUCATION




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

## RESEARCH AND INDUSTRY EXPERIENCE

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

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- 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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- 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

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