

EDUCATION

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| 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

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| 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

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| 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

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| 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

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