

Pingbang Hu



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DEGREES

- 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

SELECTED RESEARCH 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

PRE-PRINTS AND TECHNICAL REPORTS

(* denotes equal contribution)

- [P1] **Pingbang Hu**, Thatchaphol Saranurak, “Finding Minimal Balanced Separators with Detection Sets”. *Manuscript*
- [P2] **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

- 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* *Jun. 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 ACTIVITIES

- **IEEE International Conference on Big Data (IEEE BigData)**
Conference Reviewer

2023