

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

- **Finding Minimal Balanced Separators with Detection Sets** Michigan
College of Engineering, University of Michigan Mar. 2022 - Present
 - **Advisor:** Thatchaphol Saranurak
- **Deep Learning Foundation** Michigan
SURE Program, College of Engineering, University of Michigan May 2022 - Apr. 2023
 - **Advisor:** Wei Hu

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

- **EECS475 Introduction to Cryptography** Michigan
Instructional Aide, College of Engineering, University of Michigan Jan. 2023 - May 2023
- **EECS572 Randomness and Computation** Michigan
Instructional Aide, College of Engineering, University of Michigan Aug. 2022 - Dec. 2022
- **VV285 Honor Mathematics III** Shanghai, China
Teaching Assistant, UM-SJTU Joint Institute, Shanghai Jiao Tong University Mar. 2021 - Aug. 2021
 - **Competition:** Hold the 1st UM-SJTU JIntegration Bee competition.
- **VV186 Honor Mathematics II** Shanghai, China
Teaching Assistant, UM-SJTU Joint Institute, Shanghai Jiao Tong University Sep. 2020 - Dec. 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