

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*