

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*