

# 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

- **Theory of Computation Laboratory** , **University of Michigan** **Michigan**  
*Undergraduate Researcher* *Mar. 2022 – Present*
  - **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*