

EDUCATION

- **University of Illinois Urbana-Champaign** School of Information Science, Illinois
Ph.D. Student in Information Science Aug. 2023 - Present
 - **Advisor:** Jiaqi Ma
 - **Research Area:** Theoretical Artificial Intelligence & Theoretical Computer Science
- **University of Michigan** College of Engineering, Michigan
*B.Sc. in Computer Science, **Summa Cum Laude*** Aug. 2021 - May. 2023
 - **Minor:** Mathematics, College of Literature, Science, and the Arts
- **Shanghai Jiao Tong University** UM-SJTU Joint Institute, Shanghai, China
B.Eng. in Electrical and Computer Engineering Aug. 2019 - Aug. 2023
 - **Minor:** Computer Science, UM-SJTU Joint Institute

SELECTED RESEARCH EXPERIENCE

- **Network Failure Detection** College of Engineering, Michigan
Undergraduate Researcher Mar. 2022 - Sep. 2022
 - **Abstract:** An improved algorithm on finding small balanced separator in almost linear time.
- **Deep Learning Foundation** College of Engineering, Michigan
Undergraduate Researcher Mar. 2022 - Jan. 2023
 - **Abstract:** Theoretical analysis on intrinsic dimension under isoperimetry assumptions, supported by SURE Program.

TEACHING EXPERIENCE

- **EECS475 Introduction to Cryptography** College of Engineering, Michigan
Instructional Aide Jan. 2023 - May. 2023
 - **Duty:** Hold discussion & office hour weekly for an upper-level 100+ student course on the main CS track.
- **EECS572 Randomness and Computation** College of Engineering, Michigan
Instructional Aide Aug. 2022 - Dec. 2022
 - **Duty:** Hold discussion & office hour weekly for a graduate-level 70+ student course on the M.S. theory CS track.
- **VV285 Honor Mathematics III** UM-SJTU Joint Institute, Shanghai, China
Teaching Assistant Mar. 2021 - Aug. 2021
 - **Duty:** Hold discussion & office hour weekly with grading responsibility for a 150+ student rigorous analysis course on the main B.Eng. ECE track.
 - **Competition:** Hold the 1st UM-SJTU JIntegration Bee competition.
- **VV186 Honor Mathematics II** UM-SJTU Joint Institute, Shanghai, China
Teaching Assistant Sep. 2020 - Dec. 2020
 - **Duty:** Hold discussion & office hour weekly with grading responsibility for a 200+ student rigorous analysis course on the main B.Eng. ECE track.

SELECTED 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