Jiawei Li

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Education

University of Texas, Austin, CS Department   2022/01 –
  Ph.D. in progress
  Advisor: Prof. Scott Aaronson

Peking University, School of EECS, Turing Class   2016/09 – 2020/07
  Bachelor in Science, Overall GPA: 3.73/4.0, Major GPA: 3.80

Research Interests

  Theoretical Computer Science: Classical and Quantum Complexity;

Publications and Preprints

[1]. **On the Approximation of Nash Equilibria in Sparse Win-Lose Multi-player Games.**
Zhengyang Liu, Jiawei Li, and Xiaotie Deng. **AAAI-21**.
Keyword: Algorithmic Game Theory, Computational Complexity, TFNP, PPAD, Multi-player Game.

[2]. **The Query Complexity of Local Search and Brouwer in Rounds.**
Simina Brânzei, Jiawei Li**. COLT-22.**
Keyword: Optimization, Query Complexity, Parallel Optimization, TFNP, Randomized Algorithm.

[3]. **Consensus Division in an Arbitrary Ratio.**
Paul Goldberg, Jiawei Li**. ITCS-23.**
Keyword: Computational Complexity, TFNP, PPA, Combinatorics, Algorithmic Game Theory.

[4]. **Pandora Box Problem with Nonobligatory Inspection: Hardness and Improved Approximation Algorithms.**
Hu Fu, Jiawei Li, and Daogao Liu. **STOC-23**
Keyword: Online Algorithm, Computational Complexity, Approximation Algorithm, Randomized Algorithm.

Service

  Teaching Assistant, *Approximation Algorithm*, UT Austin   Spring 2023

  Teaching Assistant, *Quantum Information Science I*, UT Austin   Fall   2022

  Teaching Assistant, *Discrete Math II*, Peking University, Turing Class   Spring 2019

  Conference: reviewer for ICALP 2019, IJCAI 2020; local organization committee for WINE 2020

  Journal: sub-reviewer for TCS, SICOMP

Awards and Honors

  ICPC North America Championship, 13th Place (Advanced to World Finals)   2022/05
  ICPC South Central USA Regional Contest, 2nd Place   2022/03
  "Fangzheng" Scholarship in EECS, Peking University   2019/10
  ICPC, Qingdao Regional, Gold Prize   2018/10
  First price of "PDZF" Scholarship in EECS, Peking University   2018/10
  National Olympiad in Informatics 2015: Gold Prize   2015/07