Zhidan Li

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Latest Update: October 11, 2024

Experience

- *Visiting Postgraduate Research Student*   2022.08 - 2022.10
  School of Informatics, University of Edinburgh
  Supervisor: *Heng Guo*

Education

- *Doctor of Philosophy* in Computer Science   2023.09 - current
  John Hopcroft Center, Shanghai Jiao Tong University
  Advisor: *Kuan Yang*
- *Bachelor of Engineering* in Computer Science   2019.09 - 2023.06
  ACM Honor Class, Shanghai Jiao Tong University

Research Interests

- Approximate counting and sampling in theoretical computer science.
- Algorithmic aspects on combinatorics and probability.
- High-dimensional probability and geometry.

Research Articles

- FPTAS for Holant Problems with Log-Concave Signatures
  Kun He, Zhidan Li, Guoliang Qiu and Chihao Zhang
  To appear in **SODA 2025**

Teaching

- In Shanghai Jiao Tong University:
  - Serve as a *Teaching Assistant*:
    * CS3905: *Algorithm Design and Analysis*   Spring 2023
      Instructor: *Yuhao Zhang*
    * CS2910: *Optimization*   Summer 2023
      Speaker: *Yunwei Ren*
    * MATH3806: *Optimization Methods*   Autumn 2023
      Instructors: *Bo Jiang* and *Kuan Yang*
    * CS0901: *Combinatorics*   Autumn 2024
      Instructor: *Kuan Yang*

Seminars

- In Shanghai Jiao Tong University:
  - Serve as a *Speaker*:
    * Reading Seminar on *Localization Schemes*   Spring 2023
      Organiser: *Chihao Zhang*
    * Reading Seminar on *Introductions to Random Graphs*   Spring 2024
      Organiser: *Kuan Yang*