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Education

- **Massachusetts Institute of Technology** 2020–Present
Ph.D. Candidate, EECS Department
 - Field: Theoretical Computer Science
 - Advisors: Ryan Williams and Virginia Vassilevska Williams
- **Tsinghua University** 2016–2020
B.Eng., Yao Class, Institute for Interdisciplinary Information Sciences

Visiting

- **ETH Zurich** Summer 2019
Visiting student advised by Mohsen Ghaffari
- **Massachusetts Institute of Technology** Spring 2019
Visiting student advised by Ryan Williams
- **Harvard University** Summer 2018
Visiting student advised by Jelani Nelson

Selected Awards and Scholarships

- **MIT Akamai Presidential Graduate Fellowship** 2020–2021
- **Yao Award** Sept 2019
Gold medal
- **ETH Zurich Student Summer Research Fellowship** July 2019
- **ACM International Collegiate Programming Contest World Finals** May 2017
Silver medal, 6th place (with Lijie Chen and Yuhao Du)
- **International Olympiad in Informatics** Aug 2016
Gold medal, 1st place

Publications

- [1] Mohsen Ghaffari, Christoph Grunau, and Ce Jin. Improved MPC Algorithms for MIS, Matching, and Coloring on Trees and Beyond. In *Proceedings of the 34th International Symposium on Distributed Computing (DISC)*, 2020

- [2] Mohsen Ghaffari, Ce Jin, and Daan Nilis. A Massively Parallel Algorithm for Minimum Weight Vertex Cover. In *Proceedings of the 32nd ACM Symposium on Parallelism in Algorithms and Architectures (SPAA)*, 2020
- [3] Lijie Chen, Ce Jin, and Ryan Williams. Sharp Threshold Results for Computational Complexity. In *Proceedings of the 52nd ACM Symposium on Theory of Computing (STOC)*, 2020
- [4] Lijie Chen, Ce Jin, and Ryan Williams. Hardness Magnification for all Sparse NP Languages. In *Proceedings of the 60th IEEE Symposium on Foundations of Computer Science (FOCS)*, 2019
- [5] Ce Jin. An Improved FPTAS for 0-1 Knapsack. In *Proceedings of the 46th International Colloquium on Automata, Languages, and Programming (ICALP)*, 2019
- [6] Ran Duan, Ce Jin, and Hongxun Wu. Faster Algorithms for All Pairs Non-decreasing Paths Problem. In *Proceedings of the 46th International Colloquium on Automata, Languages, and Programming (ICALP)*, 2019
- [7] Kai Jin, Ce Jin, and Zhaoquan Gu. Cooperation via Codes in Restricted Hat Guessing Games. In *Proceedings of the 18th International Conference on Autonomous Agents and Multiagent Systems (AAMAS)*, 2019
- [8] Ce Jin. Simulating Random Walks on Graphs in the Streaming Model. In *Proceedings of the 10th Innovations in Theoretical Computer Science Conference (ITCS)*, 2019
- [9] Ce Jin and Hongxun Wu. A Simple Near-Linear Pseudopolynomial Time Randomized Algorithm for Subset Sum. In *Proceedings of the 2nd Symposium on Simplicity in Algorithms (SOSA)*, 2019
- [10] Kyriakos Axiotis, Arturs Backurs, Ce Jin, Christos Tzamos, and Hongxun Wu. Fast Modular Subset Sum using Linear Sketching. In *Proceedings of the 30th ACM-SIAM Symposium on Discrete Algorithms (SODA)*, 2019

Talks

- **Fast Low-Space Algorithms for Subset Sum**
 - CS Peer Talk (Peking University) July 2020
- **A Massively Parallel Algorithm for Minimum Weight Vertex Cover**
 - SPAA 2020 July 2020
- **Sharp Threshold Results for Computational Complexity**
 - STOC 2020 June 2020
 - IJTCS (Peking University) Aug 2020
- **Hardness Magnification for all Sparse NP Languages**
 - FOCS 2019 Nov 2019
 - TCS Youth Forum (ICT, Chinese Academy of Sciences) Oct 2019
 - Yao Class student seminar Sept 2019
- **Cooperation via Codes in Restricted Hat Guessing Games**
 - AAMAS 2019 May 2019
- **Simulating Random Walks on Graphs in the Streaming Model**
 - ITCS 2019 Jan 2019
 - Harvard sketching reading group Aug 2018

- **A Simple Near-Linear Pseudopolynomial Time Randomized Algorithm for Subset Sum**

– SOSA@SODA 2019

Jan 2019

- **An Improved FPTAS for 0-1 Knapsack**

– ICALP 2019

July 2019

– Yao Class student seminar

Dec 2018

Teaching Experience

- **Teaching Assistant**

• *Mathematics for Computer Science* (Instructor: Andrew C. Yao)

Spring 2020

Service

- Conference Reviewing: SOSA 2019, ESA 2019, SODA 2020, SOSA 2020, SODA 2021.