

Jinyan Liu

Department of Computer Science
The University of Hong Kong
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Education

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|----------------------|---|
| Sep 2015 - Present | The University of Hong Kong
Department of Computer Science
Supervisors: Dr. Zhiyi Huang and Prof. Siu Ming Yiu
Ph.D. candidate |
| Sep 2011 - June 2015 | Huazhong University of Science and Technology
School of Computer Science and Technology
Bachelor's Degree |

Experiences

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| Sep 2019 - Present | Visiting Scholar at Georgia Institute of Technology (Atlanta, USA)
Host professor: Dr. Rachel Cummings |
| Feb 2019 - Aug 2019 | Visiting Scholar at Nanyang Technological University (Singapore)
Host professor: Dr. Xiaohui Bei |
| Mar 2015 - May 2015 | Research assistant at the University of Hong Kong
Host professors: Dr. Zhiyi Huang and Dr. Siu Ming Yiu |
| July 2014 - Aug 2014 | Research assistant at the University of Hong Kong
Host professor: Dr. Siu Ming Yiu |

Research Interests

Differential Privacy, Online Learning,
Algorithmic Game Theory, Fairness

Publications

(For theory papers, authors are sorted in alphabetical order.)

1. Xiaohui Bei, Zihao Li, **Jinyan Liu**, Shengxin Liu, Xinhang Lu. (alphabetical order) "Fair Division of Mixed Divisible and Indivisible Goods". Thirty-Fourth AAAI Conference on Artificial Intelligence (AAAI), 2020. (**Outstanding Student Paper Award**).
2. Teng Wang, Jun Zhao, Han Yu, **Jinyan Liu**, Xinyu Yang, Xuebing Ren, Shuyu Shi. (by contribution) "Privacy-preserving Crowd-guided AI Decision-making in Ethical Dilemmas". The 28th ACM International Conference on Information and Knowledge Management (CIKM), 2019.

3. Zhiyi Huang, **Jinyan Liu**, Xiangning Wang. (alphabetical order) "Learning Optimal Reserve Price against Non-myopic Bidders". Advances in Neural Information Processing Systems (NeurIPS), 2018.
4. Zhiyi Huang, **Jinyan Liu**. (alphabetical order) "Optimal Differentially Private Algorithms for k-Means Clustering". In Proceeding of the ACM SIGMOD-SIGACT-SIGAI Symposium on Principles of Databases Systems (PODS), 2018.

Research Services

Reviewer: NeurIPS 2019

Selected Honors

AAAI Outstanding Student Paper Award	2020
NeurIPS Student Travel Award	2018
HUSTHCAA Scholarship	2016
Postgraduate Scholarship	2015
National Scholarship	2012

Teaching Assistant

COMP3250	Design and Analysis of Algorithms	Spring 2019
COMP3352	Algorithmic Game Theory	Spring 2018
COMP9601	Theory of Computation and Algorithm Design	Fall 2016
COMP8601	Advanced of Theoretical Computer Science	Spring 2016