

# Jinyan Liu

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## Education

- 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

- 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

## Publications

**Research Interests:** Data Privacy, Machine Learning, Algorithmic Game Theory, Fairness

(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 Huan, **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.

## Selected Honors

AAAI Outstanding Student Paper Award, 2020

NeurIPS Student Travel Award, 2018

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