

Hongao Wang

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Research Interest

I am interested in broad areas of theoretical computer science, especially

- Algorithmic Game Theory and Mechanism Design
- Algorithmic Social Choice, fairness allocation, participatory budgeting
- Online Learning
- Approximation Algorithms and Optimization

Education

Sept. 2014- Jun. 2018 B.S. in Information Engineering - Shanghai Jiao Tong University

Discrete Mathematics I 94
Computable Theory 93
Operating System 91
Elements of Information Theory 92

Experience

Aug 2017 - Dec. 2018
ITCS at Shanghai University of Finance and Economics, Shanghai, China
student intern, part-time

Host: Prof. Pinyan Lu & Prof. Nick Gravin
-Working on selfish expert problem with Prof. Lu
-Working on prophet inequality for matching on bipartite graph with Prof. Gravin

May 2017 - Dec. 2017
AIMS at Shanghai Jiao Tong University, Shanghai, China
Undergraduate

Supervisor: Prof. Xiaotie Deng
-Working on knowledge-based analysis for blockchain

Jan 2019 - Present
SPMS, Nanyang Technological University, Singapore
Project Officer

Supervisor: Prof. Xiaohui Bei
-Working on multi-winner selection and fair allocation for mixed goods

Academic Services

subreviewer of WINE'18, SAGT'19

Teaching Services

Tutorials for MH1812 Discrete Mathematics
NTU, AY19-20.

Publications

- Prophet inequality for bipartite matching: Merits of being simple and non adaptive.
Nick Gravin and Hongao Wang
Proceedings of the 2019 ACM Conference on Economics and Computation, EC 2019, Phoenix, AZ, USA, June 24-28, 2019., pages 93–109. ACM, 2019.

Languages

- Mandarin(native)
- English(Good)

Hobbies

- Badminton, Swimming
- Playing video games and board games
- Travelling
- Reading books especially those about philosophy