# Ruiquan Gao

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## Education

**Doctor of Philosophy in Computer Science**  September 2022 - Present
Advised by Aviad Rubinstein and Moses Charikar,
Stanford University

**Bachelor of Engineering in Computer Science**  August 2018 - June 2022
Yao Class, Institute for Interdisciplinary Information Sciences
Tsinghua University, GPA: 3.95/4.00 (Rank 5/54)

## Publications

Moses Charikar, **Ruiquan Gao**, *Improved Approximations for Ultrametric Violation Distance.* In Proceedings of the 2024 ACM-SIAM Symposium on Discrete Algorithms, SODA 2024

Eric Budish, **Ruiquan Gao**, Abraham Othman, Aviad Rubinstein, Qianfan Zhang, *Practical algorithms and experimentally validated incentives for equilibrium-based fair division (A-CEEI).* In Proceedings of the 24th ACM Conference on Economics and Computation, EC 2023

**Ruiquan Gao**, Zhongtian He, Zhiyi Huang, Zipei Nie, Bijun Yuan, Yan Zhong, *Improved Online Correlated Selection.* In proceedings of the 62nd IEEE Annual Symposium on Foundations of Computer Science, FOCS 2021

## Talks

**Improved Online Correlated Selection**
*Yao Class Seminar*  November 2021

**Improved Approximations for Ultrametric Violation Distance**
*SODA 2024*  January 2024

## Honors and Awards

**Stanford Graduate Fellowship**  March 2022

**Yao Award**  September 2021
*Bronze Medal*

**Scholarship for Comprehensive Outstanding, Tsinghua**  October 2020

**Scholarship for Academic Excellence, Tsinghua**  October 2019 & 2021

**ACM-ICPC Asia Regional Contest (Xuzhou)**  October 2018
*Gold Medal (champion)*

**National Olympiad in Informatics**  July 2016 & 2017
*Gold Medal*

## Research Experience

**Stanford University**
(Remote) visiting student advised by Aviad Rubinstein  Spring 2021
Project: Approximate Competitive Equilibrium from Equal Incomes

**The University of Hong Kong**

(Remote) research intern advised by Zhiyi Huang                                    Summer 2020

Project: Online Correlated Selection

## Services

**Conference Subreviewing:** SODA 2022, STOC 2024