

Xizhi Tan

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Research Interests

Algorithmic Game Theory, Mechanism Design, and Multi-agent Resource Allocation

Employment

Jul 22 - Present **Columbia University** – New York, NY
Visiting Scholar

Education

2020 – Present **Drexel University** – Philadelphia, PA
Ph.D. in Computer Science *GPA: 4.0/4.0*
Advisor: Vasilis Gkatzelis.

2015 – 2019 **Drexel University** – Philadelphia, PA
BS in Mathematics *GPA: 3.97/4.0*

Conference Publications

- 2022 **Learning-Augmented Mechanism Design: Leveraging Predictions for Facility Location**
Priyank Agrawal, Eric Balkanski, Vasilis Gkatzelis, Tingting Ou, **Xizhi Tan**
23rd ACM Conference on Economics and Computation (EC 2022)
- 2022 **Improved Price of Anarchy via Predictions**
Vasilis Gkatzelis, Kostas Kollias, Alkmini Sgouritsa, **Xizhi Tan**
23rd ACM Conference on Economics and Computation (EC 2022)
- 2022 **Deterministic Budget Feasible Clock Auctions**
Eric Balkanski, Pranav Garimidi, Vasilis Gkatzelis, Daniel Schoepflin, **Xizhi Tan**
33rd ACM-SIAM Symposium on Discrete Algorithms (SODA 2022)
- 2021 **Fair and Efficient Online Allocations with Normalized Valuations**
Vasilis Gkatzelis, Alexandros Psomas, **Xizhi Tan**
35th AAAI Conference on Artificial Intelligence. (AAAI 2021)

Teaching Experience

Fall 2020, 2021 **Teaching assistant, CS 457: Data Structures and Algorithms I**
Spring 2020 **Teaching assistant, CS 380: Artificial Intelligence**

Honors and Scholarships

- 2022 **Teaching Excellence Award (GR)** for excellence in academics teaching
by College of Computing & Informatics, Drexel University
- 2019 **Robert J. Bickel Scholarship** for outstanding academic achievements
by College of Arts & Science, Drexel University
- 2017 **Philadelphia City Council Citation** for contributions to the AAPI community
by City of Philadelphia
- 2016 **William Avery Scholarship** for excellent performance in freshmen year
by LeBow College of Business, Drexel University

- 2015 - 2019 **A.J. Drexel Scholarship** *supplemental financial support*
by Drexel University
- 2015 - 2019 **Drexel Grant** *supplemental financial support*
by Drexel University

Conference and Journal Service

Conference Sub-Reviewer

International Symposium on Algorithmic Game Theory (**SAGT**)

Journal Reviewer

ACM Transactions on Economics and Computation (**TEAC**)

Industry Experience

- Apr 19 - Sep 19 **JPMorgan Chase & Co.** – Wilmington, DE
Digital Quality Operations Analyst
- Sept 17 - Mar 18 **Comcast Corporation** – Philadelphia, PA
Assistant Product Manager
- May 17 - Aug 17 **City Council of Philadelphia** – Philadelphia, PA
Asian Outreach Intern
- Step 16 - Mar 17 **Your Part-time Controller LLC** – Philadelphia, PA
Data Visualization Analyst