Xizhi Tan

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Research Interests

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

Education

2020 – Present	**Drexel Universty** – Philadelphia, PA Ph.D. in Computer Science Advisor: Vasilis Gkatzelis
2015 – 2019	**Drexel University** – Philadelphia, PA BSc in Mathematics

Conference Publications

2023	**Strategyproof Scheduling with Predictions** Eric Balkanski, Vasilis Gkatzelis, Xizhi Tan *14th Innovations in Theoretical Computer Science* (**ITCS 2023**)
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**)

Research Visits

Summer 2022	**Purdue University** – West Lafayette, IN Host: Alex Psomas
Summer 2022	**Columbia University** – New York, NY Host: Eric Balkaniski

Teaching Experience

Fall 2022	**Teaching assistant, CS 521: Data Structures and Algorithms I (Graduate)**
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 (Graduate)** *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

Industrial Work Experience

Apr 19 - Step 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*