

# Xizhi Tan

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## Research Interests

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

## Education

**Drexel University** – Philadelphia, PA

Ph.D. in Computer Science

Advisor: Vasilis Gkatzelis, Expected Graduation: June 2025

**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

- Aug 22 - Sept 22 **Purdue University** – West Lafayette, IN  
Host: Alex Psomas
- July 22 - Aug 22 **Columbia University** – New York, NY  
Host: Eric Balkanski

## 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

- 2023 **Finalist for 2023 Meta Research PhD Fellowship**

- 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 - 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*