

E D U C A T I O N

2022 – Present

- **Tel Aviv University**
PhD in Computer Science
Advised by Michal Feldman / Research areas: Economics and Computation, Fair Division of Indivisible Goods, Algorithmic Contract Design

2018 – 2022

- **Oxford University**
Master's Degree in Mathematics and Computer Science
Received a First class degree
Advised by Elias Koutsoupias / Thesis: Mechanism Design on Stars

P U B L I C A T I O N S

- **Anonymous Multi-Agent Contracts**
with Johannes Brustle, Paul Dütting, Stefano Leonardi, and Matteo Russo
under submission
- **The Panel Complexity of Sortition: Is 12 Angry Men Enough?**
with Johannes Brustle, Simone Fioravanti, and Jeremy Vollen
under submission
- **Online Fair Division With Subsidy: When Do Envy-Free Allocations Exist, and at What Cost?**
with Pooja Kulkarni, Ruta Mehta, and Vishnu V. Narayan
published in the Conference on Autonomous Agents and Multiagent Systems (AAMAS 2026)
- **One Action Too Many: Inapproximability of Budgeted Combinatorial Contracts**
with Michal Feldman, Yoav Gal-Tzur, and Maya Schlesinger
published in the Conference on Innovations in Theoretical Computer Science (ITCS 2026)
- **Probing EFX via PMMS: (Non-)Existence Results in Discrete Fair Division**
with Jarosław Byrka and Franciszek Malinka
published in the AAAI Conference on Artificial Intelligence (AAAI 2026)
- **Budget-Feasible Contracts**
with Michal Feldman, Yoav Gal-Tzur, and Maya Schlesinger
published in the ACM Conference on Economics and Computation (EC 2025)
- **The Pseudo-Dimension of Contracts**
with Paul Dütting, Michal Feldman, and Ermis Soumalias
published in the ACM Conference on Economics and Computation (EC 2025)
- **Proportionally Fair Makespan Approximation**
with Michal Feldman, Jugal Garg, and Vishnu V. Narayan
published in the AAAI Conference on Artificial Intelligence (AAAI 2025)
- **Breaking the Envy Cycle: Best-of-Both-Worlds Guarantees for Subadditive Valuations**
with Michal Feldman, Simon Mauras, and Vishnu V. Narayan
published in the ACM Conference on Economics and Computation (EC 2024)
- **On Optimal Tradeoffs between EFX and Nash Welfare**
with Michal Feldman and Simon Mauras
published in the AAAI Conference on Artificial Intelligence (AAAI 2024)

T E A C H I N G

2024

- **Teaching Assistant / Tel Aviv University**
Organised exercise sessions for the Algorithmic Game Theory course.

2019 – 2023

- **Programming Camp Instructor / 14th High School in Wrocław**
Tutored at six high school programming camps.

2021

- **Computer Science Tutor / 76th Primary School in Wrocław**
Instructed a weekly class for gifted 15-year-olds.

WORK EXPERIENCE



Jul-Sep 2021

Software Engineering Intern

Developed an algorithm in OCaml to efficiently balance positions in bond exchange-traded funds across the firm's multiple European depositories.



Jun-Sep 2020

Software Engineering Intern

Worked on a C++ backend implementation for the large-scale WebGPU project within Google Chrome.

PROFESSIONAL SERVICE



Program Committee Member:

AAAI 2026, WINE 2025



Conference Reviewer:

STOC 2026, SODA 2026, FSTTCS 2025, ESA 2025, STOC 2025

SELECTED TALKS

December 2025



Probing EFX via PMMS: (Non-)Existence Results in Discrete Fair Division
EconCS Seminar at Hebrew University of Jerusalem
Jerusalem, Israel

November 2025



Probing EFX via PMMS: (Non-)Existence Results in Discrete Fair Division
Social Choice Seminar at AGH University of Kraków
Kraków, Poland

July 2025



The Pseudo-Dimension of Contracts
ACM Conference on Economics and Computation
Stanford, US

February 2025



Proportionally Fair Makespan Approximation
AAAI Conference on Artificial Intelligence
Philadelphia, US

February 2025



The Panel Complexity of Sortition
Theory of CS Seminar at University of Illinois Urbana-Champaign
Urbana-Champaign, US

November 2024



The Pseudo-Dimension of Contracts
French-Israeli Workshop on Foundations of Computer Science
Paris, France

July 2024



Breaking the Envy Cycle: Best-of-Both-Worlds Guarantees for Subadditive Valuations
ACM Conference on Economics and Computation
New Haven, US

November 2023



Fair Division of Indivisible Goods
Computer Science Doctoral Seminar
Wrocław, Poland

May 2023



On Optimal Tradeoffs between EFX and Nash Welfare
French-Israeli Workshop on Foundations of Computer Science
Paris, France

March 2023



On Optimal Tradeoffs between EFX and Nash Welfare
Israel Algorithmic Game Theory Day
Herzliya, Israel

AWARDS

2019 - 2022



Casberd Scholarship

2017 & 2018



2 x Laureate of the Polish Olympiad in Informatics

2017 & 2018



2 x Finalist of the Polish Olympiad in Mathematics