

EDUCATION

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

PUBLICATIONS

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 Maurus, 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 Maurus
published in the AAAI Conference on Artificial Intelligence (AAAI 2024)

TEACHING

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.

W O R K E X P E R I E N C E



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.

P R O F E S S I O N A L S E R V I C E



Program Committee Member:

AAAI 2026, WINE 2025

Conference Reviewer:

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

S E L E C T E D T A L K S

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

A W A R D S

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**