

# Yoav Gal-Tzur

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Israel — Date of Birth: September 16, 1991

## Profile

PhD candidate in Computer Science at Tel Aviv University, supervised by Prof. Michal Feldman. My research lies at the intersection of economics and computation, with a focus on algorithmic contract design and fair division.

## Education

**PhD in Computer Science**, Tel Aviv University 2023 – Present  
Research in algorithmic game theory, contract design, and fair division.

**MSc in Computer Science**, Tel Aviv University 2021 – 2023  
GPA: 95.  
Thesis: “Combinatorial Contracts Beyond Gross Substitutes”.

**BSc in Computer Science & Economics**, Hebrew University of Jerusalem 2015 – 2018  
GPA: 96.  
Member of the “Amirim” Honors Program, Dean’s Honor List.

## Additional Studies

Cognitive Science and Economics, HUJI 2014 – 2015  
High School: Majored in Math, CS, English, Theater (Psychometric: 750).

## Publications

- **Combinatorial Contracts Beyond Gross Substitutes**  
P. Düetting, M. Feldman, Y. Gal-Tzur – *SODA 2024*.
- **Budget-Feasible Contracts**  
M. Feldman, Y. Gal-Tzur, T. Ponitka, M. Schlesinger – *EC 2025*.  
arXiv:2504.01773.
- **When Contracts Get Complex: Information-Theoretic Barriers**  
P. Düetting, M. Feldman, Y. Gal-Tzur, A. Rubinstein – accepted to *SODA 2026*.  
arXiv:2403.09794.
- **One Action Too Many: Inapproximability of Budgeted Combinatorial Contracts**  
M. Feldman, Y. Gal-Tzur, T. Ponitka, M. Schlesinger – accepted to *ITCS 2026*.  
arXiv:2504.01773.
- **Fair Division via Resource Augmentation**  
H. Akrami, A. Eden, M. Feldman, A. Fiat, Y. Gal-Tzur – under submission.  
arXiv:2502.09377.

## Awards & Scholarships

- Excellence in Teaching Award, CS department, TAU (2024-2025)
- Full Tuition Scholarship, “Amirim” Honors Program (2016–2018).
- Dean’s Honor List, HUJI (2016–2018).

- Libra Group Scholarship for Outstanding BSc Students (2017).

## Experience

**Teaching Assistant**, Tel Aviv University 2023 – Present  
Discrete Mathematics course, CS department.

**Algorithm Developer**, Mobileye (Intel) 2020 – 2023  
*Driving Semantics Group*  
Developed deep learning models for traffic sign recognition.

*Geometry Group* 2018 – 2020  
Built algorithms for 3D measurement extraction from images.

**Teaching Assistant**, Hebrew University of Jerusalem 2018  
Grader for Algorithms course.

## Military Service

**IDF Spokesperson Unit** 2009 – 2012  
Shift Supervisor in the Operations Room, Squad Commander in the Training Course.