



TAL ALON

◦ DETAILS ◦

<https://www.talalon.org>
alontal@campus.technion.ac.il



EDUCATION

Ph.D. Computer Science, Technion - Israel Institute of Technology

October 2019 — Present

Direct Ph.D. track.

B.Sc. Software Engineering, Technion - Israel Institute of Technology

October 2016 — November 2020

Valedictorian, summa cum laude.



PUBLICATIONS

Alon, T., Haung, X., Talgam-Cohen, I., Wang, C. (2023). Budget Balanced Contracts

Working paper.

Alon, T., Dütting, P., Li, Y., Talgam-Cohen, I. (2022). Bayesian Analysis of Linear Contracts

ACM Conference on Economics and Computation (EC), 2023.

Alon, T., Dütting, P., Talgam-Cohen, I. (2021). Contracts with Private Cost per Unit-of-Effort

ACM Conference on Economics and Computation (EC), 2021.

R&R GEB.

Alon, T., Lavi, R., Shamash, E., Talgam-Cohen, I. (2021). Incomplete Information VCG Contracts for Common Agency

ACM Conference on Economics and Computation (EC), 2021.

Operations Research Journal.

Alon, T., Dobson, M., Procaccia, A., Talgam-Cohen, I., Tucker-Foltz, J. (2020). Multiagent Evaluation Mechanisms

AAAI Conference on Artificial Intelligence, 2020. Oral presentation (top 5%).

Congress of the Game Theory Society (GAMES 2020).



EXPERIENCE AND PROJECTS

Mathematics and Computer Science of Market and Mechanism Design Program, SLMATH

August 2023

Program Associate.

Class Commander at Psagot Program

March 2023 — August 2023

Part-time. Commanded 60+ cadets at an elite IDF academic reserve program.

Data Science Researcher at IDF

March 2021 — Present

Full-time. Mandatory military service.

○ **Decision Support System for an Hospital Management**

October 2018 — February 2019

Supervised by Prof. Benny Kimelfeld.

Our work was featured on [Yediot Aharonot news](#) - Israel's most widely read newspaper.

★ **SELECTED HONORS AND AWARDS**

○ **Star Scientists Program, Israel Defense Forces (IDF)**

June 2022 — Present

An exclusive program that enables exceptional young scientists serving in key positions to pursue a Ph.D. during their mandatory military service.

○ **Dean's excellence scholarship, Technion - Israel Institute of Technology**

October 2020 — February 2021

○ **Tech.AI center student award, Technion - Israel Institute of Technology**

January 2021

Award for Collaboration in Data Science in funding of PBC (Israel Council for Higher Education).

○ **Award for Excellence from Apple Inc.**

January 2019

Prize for academic excellence and social impact. Awarded in a special event by the firm.

○ **SAMBA prize, Technion - Israel Institute of Technology**

July 2018

Technion award for excellent students in computer science.

○ **Lapidim Program of the Technion computer science department**

October 2017 — November 2020

An exclusive program for first-rate undergraduate computer science students with entrepreneurial skills. Studied with full tuition scholarship and a monthly stipend.

○ **Presidents's List all Semesters of BS.c**

October 2016 — November 2020

○ **Psagot Elite Program of IDF's Reserve**

October 2016 — Present

IDF's flagship academic reserve program. Enabling pursuit of a Software Engineering B.Sc. prior to mandatory service, graduates assume key roles in R&D units within the IDF.

★ **TALKS**

○ **EconCS seminar, Hebrew University of Jerusalem (Planned)**

February 2024

○ **Google Algorithms Seminar, Googleplex - Mountain View, CA**

September 2023

○ **Graduate Seminar, Mathematical Sciences Research Institute (MSRI), Berkeley, CA**

September 2023

○ **EC'23 Paper Presentation, King's College London**

July 2023

Presented our paper "Bayesian Analysis of Linear Contracts."

○ **EC'22 Workshop on Algorithmic Contract Design, University of Colorado Boulder**
July 2022

○ **Game Theory Seminar, Technion - Israel Institute of Technology**
September 2021

○ **EC'21 Paper Presentation, Virtually**
July 2021

Presented our paper "Contracts with Private Cost per Unit-of-Effort."

○ **EC'21 Paper Presentation, Virtually**
July 2021

Presented our paper "Incomplete Information VCG Contracts."

○ **Marketplace Innovation Workshop (MIW'21) Paper Presentation, Virtually**
May 2021

Presented our paper "Incomplete Information VCG Contracts."

✿ TEACHING

○ **234141 Combinatorics for Computer Science Undergraduates, Technion - Israel Institute of Technology**
April 2020 — July 2020

○ **236357 Distributed Algorithms for Computer Science Graduates, Technion - Israel Institute of Technology**
October 2019 — February 2020

🍃 VOLUNTEER WORK

○ **Israel Association for Children with Disabilities (ILAN)**
May 2020 — Present

Tutoring young girl with disabilities.

○ **Race to The Summits Event**
November 2019

Initiated an event to encourage young girls to integrate within technological fields. Our efforts were surveyed on [rgg-news](#).