

# Shaul Rosner

Birth Date: July 4, 1997  
Phone: (+972)-527405929  
URL: <https://shaulrosner.github.io/cv/>

Mivtza Kadesh Street 59b  
Tel Aviv, Israel  
shaul.rosner@gmail.com

## Education

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<b>Reichman University</b> <i>Ph.D student, Computer Science, direct track.</i>	2021 – Present
<b>Reichman University</b> <i>Studies for master's degree in computer science.</i>	2018 - 2021 GPA: 95
<b>Tel Aviv University</b> <i>BSc in mathematics with a focus on computer science.</i>	2013 - 2017 GPA: 87
<b>National Psychometric Exam</b>	2015 Grade 752 (out of 800, percentile 99)

## Professional Experience

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<b>CS Preparatory Workshop Lecturer</b>	Summer Semester 2023 <i>Reichman University</i>
<b>Summer Intern</b>	July 2023 - September 2023 <i>IBM Research</i>
I analyzed the landscape of cloud computing from a game theory perspective, with a focus on the impact of software improving ease of use of multiple cloud services (multicloud).	
<b>Logic and Set Theory TA</b>	Spring Semester 2022-2024 <i>Reichman University</i>
<b>Algorithms TA</b>	Fall Semester 2021-2023 <i>Reichman University</i>
<b>Calculus 1+2 tutor</b> <i>"The Sharpener" Program</i>	2015-2017 <i>Tel Aviv University</i>

## Academic Publications

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Race Scheduling Games - The 13th International Symposium on Algorithmic Game Theory (SAGT), September 2020 - joint work with Tami Tamir

Race Congestion Games - 32nd Stony Brook international conference on game theory - Poster Session - June 2021

Scheduling Games with rank-based utilities - The 15th Workshop on Models and Algorithms for Planning and Scheduling 2022 (MAPSP), June 2022- joint work with Tami Tamir

Cost-Sharing Games with rank-based utilities - The 15th International Symposium on Algorithmic Game Theory (SAGT), September 2022 - joint work with Tami Tamir

Scheduling games with rank-based utilities – Games and Economic Behavior (volume 140)- joint work with Tami Tamir

Entrepreneurship Facility Activation Games - The 16th International Symposium on Algorithmic Game Theory (SAGT), September 2023 - joint work with Tami Tamir

Who Benefits from a Multi-Cloud Market? A Trading Networks Based Analysis - Submitted (IJCAI-24) - joint work with Segev Wasserkrug, from my time at IBM

Throughput Maximization in a Scheduling Environment with Machine-Dependent Due-dates - Submitted (ICALP-24) - joint work with Tami Tamir  
Cost-Sharing Games with rank-based utilities - Submitted (TCS) - joint work with Tami Tamir

#### *Awards & Honors*

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##### **Teaching Excellence Award**

*Reichman University*

2022

##### **Competitive Programming - 40th place**

*SWERC*

2021

##### **Honors from Center 7140 - IDF**

for my work in development

2019

##### **Second Place in Math Olympiad**

*Tel Aviv - Regional*

2012

#### *Military Service*

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##### **Researcher in an Audio Research Section at IDF Intelligence**

2019-2021

My job was to plan, train, implement, and monitor algorithms for analysis of audio. This included everything from researching solutions, modifying them to suit the data, implementing them as part of a software pipeline, and working with users to find issues.

##### **Software Developer in a Research Section at IDF Intelligence**

2017-2019

My job was to develop and maintain software used by signal processing researchers. As part of my role I also implemented, optimized, and wrote algorithms for various purposes.

##### **Software Development Course**

February 2017- July 2017

#### *Programming Knowledge*

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I program at a high level in python and c#. I also have work experience with java, matlab, javascript (node, angular, some react), c, c++.

This includes experience working with a range of libraries and technologies for solving various challenges, including pytorch, kald, sklearn pandas, sql, elasticsearch, flask, kafka, docker, etc.