

# Curriculum Vitae

## Personal Details

**Full Name** Saar Cohen  
**E-mail** [saar30@gmail.com](mailto:saar30@gmail.com)  
**Website** <https://saarcohen30.github.io/>  
**Year of Birth** 1997 (Israel)

## Education and Academic Achievements

- 2021 – present – Bar-Ilan University – Ph.D. candidate in Computer Science**  
“Coalition Formation in Sequential Decision-Making under Uncertainty”, under the supervision of Prof. Noa Agmon.
- 2018 – 2021 – Bar-Ilan University – M.Sc. in Computer Science:**  
“Spatial Consensus Prevention in Robotic Swarms”, under the supervision of Prof. Noa Agmon. Thesis grade: 98.
- 2013 – 2017 – Tel-Aviv University – B.Sc. in Mathematics:**  
I have initiated my B.Sc. studies in Mathematics with specialization in Computer Science at Tel-Aviv University. I received my degree at the 10-th of August 2017.

## Publications

### Conferences

- Saar Cohen and Noa Agmon. *Online Friends Partitioning under Uncertainty*. In ECAI'24: Proceedings of the 27th European Conference on Artificial Intelligence, 2024. (To Appear)
- Saar Cohen and Noa Agmon. *Online Learning of Partitions in Additively Separable Hedonic Games*. In IJCAI'24: Proceedings of the 33rd International Joint Conference on Artificial Intelligence, 2024.
- Saar Cohen and Noa Agmon. *Near-Optimal Online Resource Allocation in the Random-Order Model* (Extended Abstract). In AAMAS'24: Proceedings of the 23rd International Conference on Autonomous Agents and Multiagent Systems, 2024.
- Saar Cohen and Noa Agmon. *Coalition Formation in Sequential Decision-Making under Uncertainty (Doctoral Consortium)*. In AAMAS'23: the 22nd International Conference on Autonomous Agents and Multiagent Systems, 2023.
- Saar Cohen and Noa Agmon. *Online Coalitional Skill Formation*. In AAMAS'23: the 22nd International Conference on Autonomous Agents and Multiagent Systems, 2023.
- Saar Cohen and Noa Agmon. *Complexity of Probabilistic Inference in Reliability Dichotomous Hedonic Games*. In AAI '23: In Proceedings of the 37th AAI Conference on Artificial Intelligence, 2023.
- Saar Cohen and Noa Agmon. *Optimizing Multi-Agent Coordination via Hierarchical Graph Probabilistic Recursive Reasoning*. In AAMAS'22: the 21st International Conference on Autonomous Agents and Multiagent Systems, 2022.
- Saar Cohen and Noa Agmon. *Convexified Graph Neural Networks for Distributed Control in Robotic Swarms*. In IJCAI'21: Proceedings of the international Joint Conference on Artificial Intelligence, 2021.
- Saar Cohen and Noa Agmon. *On The (Im)possibility of Leading a Swarm to a Desired Consensus in Static and Dynamic Settings*. In DARS/SWARM'21:

Proceedings of the 4th International Symposium on Swarm Behavior and Bio-Inspired Robotics, 2021.

Saar Cohen and Noa Agmon. *Spatial Consensus-Prevention in Robotic Swarms*. In AAMAS'21: Proceedings of the 20th International Conference on Autonomous Agents and Multiagent Systems, 2021.

#### **Reviews**

Saar Cohen and Noa Agmon. *Recent Advances in Formations of Multiple Robots*. Current Robotics Reports 2, 159–175, 2021.

#### **Scholarships**

**2023 – The President’s Scholarship Program for Outstanding Doctoral Fellows:**  
On behalf of the Bar-Ilan University's president.

**2022 – Nadav Scholarship for M.Sc. students**

#### **Reviewing Activities**

**2025 (Program Committee Member) – AAAI'25.**

**2024 (Reviewer) – ECAI'24.**

**2024 (Program Committee Member) – AAAI'24, IJCAI'24.**

**2023 (Program Committee Member) – AAAI'23, IJCAI'23.**

**2023 (Reviewer) – ICRA'23, ECAI'23.**

**2022 (Reviewer) – AAMAS'22, IEEE Transactions on Robotics (T-RO).**

#### **Languages**

- **Hebrew**
- **English**