Idan Orzech

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I am a first-year computer science Ph.D. student at MIT CSAIL, advised by Martin Rinard. Currently interested in algorithmic game theory research. Recently graduated from the Hebrew University of Jerusalem, where I worked with Nati Linial on error-correcting codes in the Amirim honors program.

Education

- Ph.D., Computer Science, Massachusetts Institute of Technology   2022-Present
  Advisor: Martin Rinard

- B.Sc., Computer Science & Mathematics, Hebrew University of Jerusalem   2018-2022
  Summa cum laude
  GPA: 98.32/100
  Advisor: Nati Linial
  Amirim computer science honors program. Degree partly completed in high school

Publications and Preprints

1. Correlated vs. Uncorrelated Randomness in Adversarial Congestion Team Games. Idan Orzech, Martin Rinard, 2023. arXiv

2. Decentralized Inference via Capability Type Structures in Cooperative Multi-Agent Systems. Charles Jin, Zhang-Wei Hong, Farid Arthaud, Idan Orzech, Martin Rinard. 2023. arXiv

3. Bounds on Unique-Neighbor Codes. Nati Linial, Idan Orzech. 2022. arXiv

Teaching

- Introduction to Artificial Intelligence, Hebrew University of Jerusalem   2022
- Introduction to algorithms, Hebrew University of Jerusalem   2021-22

Awards

- Amirim computer science scholarship, Hebrew University of Jerusalem   2020-2022

- Rector's award, Hebrew University of Jerusalem   2022

  Awarded for excellence in undergraduate studies during 2020-2021. Awarded to 29 undergraduate students across all departments

- Dean's award & Dean's list, Hebrew University of Jerusalem   2021, 2022

  Awarded to the top 2.5% students in the CS department for 2019-2020, 2020-2021

Miscellaneous

- Languages: Hebrew (native), English (fluent), Arabic (intermediate), Russian (beginner)

- Programming languages: Python, Java, C, C++, Coq, LaTeX