

Edan Orzech

iorzech@mit.edu

January 5, 2024

I am a second-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. Randomness Requirements and Asymmetries in Nash Equilibria. Edan Orzech, Martin Rinard, 2023. arXiv
2. Correlated vs. Uncorrelated Randomness in Adversarial Congestion Team Games. Idan Orzech, Martin Rinard, 2023. arXiv
3. Decentralized Inference via Capability Type Structures in Cooperative Multi-Agent Systems. Charles Jin, Zhang-Wei Hong, Farid Arthaud, Idan Orzech, Martin Rinard. 2023. arXiv
4. Bounds on Unique-Nighbor 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