

Gal Oren

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Tel Aviv, ISRAEL

Work experience

Israel Atomic Energy Commission: Nuclear
Research Center - Negev / Soreq

2011 — Present

Computer Scientist

2011-Present: Computer Scientist

» Senior Researcher, Katzir Fellow.

» Conducting multidisciplinary R&D and innovation techniques.

2014-2017: Head, Algorithms group

» Leading 6 highly trained CS researchers for R&D activity.

2017-2020: Head, Scientific Computing Laboratory

» Founding and leading the lab for multidisciplinary R&D and innovation, staff of 13.

» Forming many successful inter- and exo- organization collaborations, including LLNL, NIST, CEA, GSI, Google.

2020-Present: Head, NRCN-SNRC Scientific Computing Mission.

Topics of Interest: High-Performance Computing & Supercomputing; Distributed, Parallel & Cluster Computing; Artificial Intelligence; Research Software Engineering; Immersive & Scientific Visualization.

Technion - Israel Institute of Technology

2020 — Present

Visiting Scientist, Department of Computer Science

- Head, **Intel oneAPI Center of Excellence** @ Technion.
- Israel's Official National Supercomputer Project Advisory Board member.
- Dr. Gal Oren, Prof. Danny Hendler, Prof. Hagit Attiya - Pazy grant 226/20 for research proposal entitled **Recoverable Algorithms using Non-Volatile Memory for Simulations in High Performance Computing Systems**. 2021-2024. 1.2 Million NIS. - Ph.D. students: Yehonatan Fridman, Harel Levin. M.Sc. research students: Yehonatan Fridman, Yaniv Snir, Kfir Zvi, Dina Avitan.
- Dr. Gal Oren, Prof. Shai Avidan - Ph.D. student: Matan Rusanovsky.
- Dr. Gal Oren, Dr. Yuval Pinter, BGU data science full research proposal (2022) entitled **Code Language Parallel Processing** - Ph.D. student Re'em Harel. M.Sc. research students: Tal Kadosh, Nadav Schneider.
- CS Course 236606: "**Shared-Memory Parallelism: CPUs, GPUs and in-between**". webcourse.cs.technion.ac.il/236606/Winter2022-2023.
- Reviewer in Conferences: DISC, SPAA, PERCOM.

TradeMarker

2018 — 2020

CEO

Co-founder @ TradeMarker.

Press: @ TheMarker @ Calcalist @ World Trademark Review @ iBGU @ CSBGU

Education

Department of Computer Science, Ph.D

2016 — 2020

Ben-Gurion University of the Negev

- Thesis: **Distributed Management Algorithms for Heterogeneous Computing Systems and Networks**
- Supervisors: Prof. Leonid Barenboim, Prof. Michael Elkin
- The Lynn and William Frankel Center for Computer Science Scholarship (2016, 2017, 2018, 2019, 2020)
- The Open University of Israel Research Fund Scholarship
- Support by the Israel Science Foundation grant 724/15

Department of Computer Science, M.Sc.

2011 — 2015

Open University of Israel

- Thesis: **Optimizations of Management Algorithms for Multi-Level Memory Hierarchy**
- Supervisors: Dr. Leonid Barenboim, Dr. Lior Amar
- Thesis final score: 94. Degree final score: 92. Magna cum laude.
- Foundation for the Advancement of Education in Israel Scholarship (2013)
- The Hillel Scholarship, the Open University of Israel (2014)
- Thesis Scholarship, Computer Science Master's Degree Program, the Open University of Israel (2015)

Swedish Summer School in Computer Science (S3CS)

June 2016

KTH Royal Institute of Technology

S3CS consists of two mini-courses by Michael Mitzenmacher and Sergei Vassilvitskii.

Radboud Summer School

August 2017

Radboud University

Cyberpsychology research course by Dr Jens Binder.

Department of Computer Science, B.Sc.

2006 — 2010

Jerusalem College of Technology

- First Degree while in High-School
- Scholarship for Excellence, Jerusalem College of Technology (2007)
- Gifted and Excellent Students Scholarship, Ministry of Education (2008)
- Technological Bagrut (53 units, score of 112), high school graduation (2010)

Awards

- Nuclear Research Center - Negev CEO Award - Innovation category - Computer Vision (2022)
- Nuclear Research Center - Negev CEO Award - Innovation category - Artificial Intelligence (2020)
- International Supercomputing Conference (ISC) PhD Forum Award (2020)
- Selected for GYSS-2019 - Global Young Scientist Summit for outstanding PhDs (2019)
- Bronze student design award, HCI International (2019)
- Nuclear Research Center - Negev CEO Award - Innovation category - Cybersecurity (2018)
- Nuclear Research Center - Negev CEO Award - Exemplary Mission category - Supercomputing (2018)
- Maccabim Foundation Scholarship for PhD Students (2017, 2018, 2019, 2020)
- Students Leading Innovation in the Public Sector - Finalist, Google & Ben-Gurion University (2018)
- Nuclear Research Center - Negev CEO Fund - 1st prize (2017), 2nd prize (2018)
- Department of Physics Award for Best Researches, Nuclear Research Center - Negev (2016)
- The Katzir Fellowship, Israel Ministry of Defense (2016)
- Ministry of Culture Prize for Literature (2015)
- Excellent Paper Award, the 3rd International Conference on Environment and Industrial Innovation – ICEII,

- Copenhagen, Denmark (2013)
- The Encouraging Creativity Among Scientists Prize, Weizmann Institute of Science (2013)
- Third Grand Award in Environmental Management category, the Intel International Science and Engineering Fair, Pittsburgh, Pennsylvania, the United States (2012)
- Third Special Award in Sustainable Water Management category , the Intel International Science and Engineering Fair, Pittsburgh, Pennsylvania, the United States (2012)
- Intel Prize, the European Union Contest for Young Scientists, Helsinki, Finland (2011)
- 1st Prize in Technology field, the National Young Scientist and Engineers Competition in Israel, Hebrew University of Jerusalem (2011)
- Honor Diploma from Her Royal Highness Crown Princess Victoria of Sweden, Stockholm Junior Water Prize, World Water Week, Stockholm, Sweden (2010)
- Stockholm Junior Water Prize in Israel, Tel Aviv University (2010)
- President of Israel Commendation for an original scientific study, the National Young Scientist and Engineers Competition in Israel, Hebrew University of Jerusalem (2010)
- Chief Judge at the Hebrew Wikipedia Writing Competition (2010)
- Grand Award at the Hebrew Wikipedia Writing Competition (2009)
- President Zalman Shazar Prize for an original scientific study, the Zalman Shazar Center, Jerusalem (2009)

Personal Info

- Sex : Male
- Nationality : Israeli
- ID No.: 203127261
- Date of Birth : 7th July 1991
- Security Clearance: Top
- Languages: Hebrew (Mother tongue), English (Fluent)