

GIL COHEN | CURRICULUM VITAE

- » **Status:** I joined the Department of Computer Science at Tel Aviv University as a senior lecturer in 2018 and was promoted to a tenured professor in 2023.
- » **Research interests:** My research lies mainly in theoretical computer science, focusing on computational complexity, pseudorandomness and derandomization, coding theory, and spectral graph theory.

»»» Education and Past Positions

2016-2018	Postdoctoral Research Fellow and Research Instructor	Princeton University
	» Host: Prof. Mark Braverman	
2015-2016	Postdoctoral Research Associate	Caltech
	» Hosts: Prof. Leonard Schulman and Prof. Thomas Vidick	
2010-2015	Ph.D. in Computer Science	Weizmann Institute of Science
	» Advisor: Prof. Ran Raz	
	» Thesis title: New Constructions and Applications of Pseudorandom Objects	
2008 - 2010	M.Sc. in Computer Science	Technion
	» Advisor: Prof. Amir Shpilka	
	» Thesis title: On the Degree of Symmetric Functions on the Boolean Cube	
2004 - 2008	BA in Mathematics and BA in Computer Science	Technion
	» Summa cum-laude	

»»» Grants, Awards and Fellowships

2026-2030	Israel Young Academy
2026-2031	ERC consolidator grant
2025-2030	Center for the Theory of Quantum Computing
2025	Excellence in Teaching at Tel Aviv University, "Top 100" list
2024	Excellence in Teaching at Tel Aviv University, "Top 100" list
2024-2028	Israel Science Foundation grant (ISF)
2020-2026	ERC starting grant
2020	Sackler young faculty award
2018-2021	The Azrieli fellows program
2018-2022	Israel Science Foundation grant (ISF)
2015	The Lonia and Jose Roth Memorial Prize
2004-2008	Technion's president's list of excellence
2006-2008	Computer science excellence program (SAMBA)

»» Teaching

2025/6	Quantum Algorithms	Tel Aviv University
2025	Seminar in Number, Group Theory, and Ramanujan Graphs	Tel Aviv University
2024/5	Algebraic Geometric Codes	Tel Aviv University
2024/5	A Seminar on Space Bounded Computation	Tel Aviv University
2024	Free Probability and Ramanujan Graphs	Tel Aviv University
2023/24	Pseudorandomness	Tel Aviv University
2022/23	Seminar on Randomness Extractors	Tel Aviv University
2022	Algebraic Geometric Codes	Tel Aviv University
2021/22	Seminar on Ramanujan Graphs	Tel Aviv University
2020/21	Spectral Graph Theory	Tel Aviv University
2019–2025	Discrete Mathematics (yearly)	Tel Aviv University
2019/20	Seminar on Algebraic Curves and Riemann Surfaces	Tel Aviv University
2019/20	Topics in Coding Theory: Locality and Interaction	Tel Aviv University
2019	Introduction to Algebraic-Geometric Codes	Tel Aviv University
2018/19	Abstract Algebra in Theoretical Computer Science	Tel Aviv University
2017	Reasoning About Computation	Princeton University
2015/16	Randomness Extractors Theory	Caltech
2014/15	Algebraic Curves for Theoretical Computer Science	Weizmann Institute of Science
2012/3	A Taste of Circuit Complexity Pivoted at $\text{NEXP} \not\subseteq \text{ACC}^0$	Weizmann Institute of Science
2012	Introductory to Pseudorandomness and Derandomization	Weizmann Institute of Science

»» Students

Current PhD students

» Itay Cohen, Noam Goldgraber, Tomer Manket, Gal Maor

Current M.Sc. students

» Tamara Kaplan, Yuval Khaskelbeerg, Talya Nir

Graduated PhD students

» Tal Yankovitz, Ori Sberlo

Graduated M.Sc. students

» Inbar Ben Yaacov, Shahar Samocha, Oren Renard, Noam Peri

»» Professional Activities

2017-present **Program Committees**

» FOCS 17, RANDOM 18, RANDOM 20, CCC 22, STOC 23, FOCS 23, RANDOM 25, FOCS 25.

2018-present **Program Organized**

» Co-organized a workshop on Randomness Extractors as part of the STOC 2018 Theory Fest. Organizing the TAU theory seminar.