Yarin Shechter

PhD student in Computer Science and Engineering, NYU Tandon School of Engineering

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Education

New York University, Tandon School of Engineering — Sep 2024 – present
PhD in Computer Science and Engineering. Advisor: Martín Farach-Colton

Weizmann Institute of Science, Rehovot, Israel — Oct 2021 – Jun 2024
M.Sc. in Mathematics and Computer Science. Advisor: Amir Abboud
Thesis: *Efficient Solutions for k-Clique*

Reichman University, Herzliya, Israel — Oct 2017 – Oct 2020
B.Sc. in Computer Science

Publications

Authors are listed alphabetically, following the convention in theoretical computer science.

Fast Sparse α-Navigable Graph Construction with Improved Resource Augmentation
Alex Conway, Laxman Dhulipala, Martín Farach-Colton, Ben Landrum, Christopher Musco, **Yarin Shechter**, Torsten Suel, Richard Wen
SODA 2027 ACM-SIAM Symposium on Discrete Algorithms, to appear

Bounding the Fragmentation of B-Trees Subject to Batched Insertions
Michael A. Bender, Aaron Bernstein, Nairen Cao, Alex Conway, Martín Farach-Colton, Hanna Komlós, **Yarin Shechter**, Nicole Wein
PODS 2026 Proceedings of the ACM on Management of Data, vol. 4, no. 2

Efficiently Constructing Sparse Navigable Graphs
Alex Conway, Laxman Dhulipala, Martín Farach-Colton, Rob Johnson, Ben Landrum, Christopher Musco, **Yarin Shechter**, Torsten Suel, Richard Wen
SODA 2026 ACM-SIAM Symposium on Discrete Algorithms, pp. 1631–1665

Faster Combinatorial k-Clique Algorithms
Amir Abboud, Nick Fischer, **Yarin Shechter**
LATIN 2024 Best Paper Award Latin American Theoretical Informatics, pp. 193–206
Algorithmica Journal version, vol. 88, no. 3, 2026

Honors & Awards

Alejandro López-Ortiz Best Paper Award, LATIN 2024 — 2024
For *Faster Combinatorial k-Clique Algorithms*, with Amir Abboud and Nick Fischer

Teaching Experience

Google and Reichman Tech School, Herzliya, Israel 2023
Lecturer, Data Structures. Taught the data structures course of a full-stack developer training program, and wrote its materials, homework and exams.

Google and Reichman Tech School, Herzliya, Israel 2021
Teaching Assistant, Data Structures. Led recitations, graded, and reviewed course materials.

Reichman University, Herzliya, Israel 2019 – 2021
Teaching Assistant. Computability and Complexity, Discrete Mathematics, Logic and Set Theory, and Introduction to Computer Graphics.

Service

Reviewer: SODA 2027, STOC 2026, ICALP 2025

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