

Ivan Levcovitz

- CONTACT INFORMATION Technion - Israel Institute of Technology
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Israel
- EMPLOYMENT **Technion - Israel Institute of Technology**, Haifa, Israel
Postdoctoral Fellow, Host: Michah Sageev, 2018-present
- RESEARCH INTERESTS Geometric Group Theory, Low-Dimensional Topology
Specifically, $CAT(0)$ cube complexes, Coxeter groups, right-angled Artin groups and quasi-isometric classification of groups
- EDUCATION **CUNY Graduate Center**, New York City, NY
Ph.D. in Mathematics, May 2018
• Advisor: Jason Behrstock
University of Pennsylvania, Philadelphia, PA
B.S.E. in Mathematics and Electrical Engineering, May 2011
• Magna Cum Laude
- PAPERS *A quasi-isometry invariant and thickness bounds for right-angled Coxeter groups*,
Groups, Geometry and Dynamics (to appear)
Divergence of $CAT(0)$ cube complexes and Coxeter groups,
Algebraic & Geometric Topology, vol 18 (2018) 1633–1673
- AWARDS, HONORS AND GRANTS 2016–2017 Mina Rees Dissertation Fellowship
2015–2016 Doctoral Student Research Grant
2011–2013 Graduate Assistant Science Fellowship
2011 Penn Engineering Exceptional Service Award
- INVITED TALKS
- Technion - Israel Institute of Technology, Geometry and Topology Seminar, 2018
 - Vanderbilt University, Topology & Group Theory Seminar, 2018
 - University of Texas at Austin, Topology Seminar, 2018
 - Louisiana State University, Topology Seminar, 2018
 - Boundaries and Non-positive Curvature in Group Theory, AMS Sectional Meeting, Vanderbilt, 2018
 - CUNY Graduate Center, Geometry and Topology Seminar, 2018
 - Ohio State University, Geometric Group Theory Seminar, 2017
 - Geometric Groups on the Gulf Coast (G^3), Pensacola Beach, 2017
 - Spring Topology and Dynamical Systems Conference, NJCU, 2017
 - Temple University, Geometry and Topology Seminar, 2017
 - CUNY Graduate Center, Hyperbolic Geometry Seminar (four talks), 2017
 - Tech Topology Conference, Georgia Institute of Technology, 2016
 - CUNY Graduate Center, Geometry and Topology Seminar, 2016
 - Topology Student Workshop, Georgia Institute of Technology, 2016
 - CUNY Graduate Center, Geometry and Topology Student Seminar, 2015
 - CUNY Graduate Center, Hyperbolic Geometry Seminar, 2013

TEACHING

Hunter College, New York City

Instructor

- Calculus II, Math 155, Spring 2018
- Matrix Algebra, Math 160, Spring 2018

Baruch College, New York City

Instructor

- Applied Calculus and Matrix Algebra, Math 2207 (two sections), Fall 2017
- Applied Calculus, Math 2205, Spring 2015
- Precalculus and Elements of Calculus, Math 2003 (two sections), Fall 2014
- Applied Calculus and Matrix Algebra, Math 2207, Spring 2014
- Applied Calculus and Matrix Algebra, Math 2207 (two sections), Fall 2013

OTHER

APPOINTMENTS

Hunter College, New York City

Quantitative Reasoning Fellow, Fall 2015–Spring 2016

- Developed Python software for the economics tutoring center
- Analyzed 10 years of course and student trajectory data to research trends that can identify undergraduate students that are at risk of not graduating
- Created teaching assignments focused on quantitative reasoning

University of Pennsylvania, Philadelphia

Research Assistant/Programmer under Professor Robert Ghrist, Summer 2010

Research on Application of Euler Integration Theory to Sensor Networks

- Researched effectiveness of applying topological methods to sensor networks
- Simulated large sensor networks through Java software
- Improved mathematical algorithms

RELEVANT

SKILLS

Languages: English (native), Portuguese (native), Spanish (fluent), Hebrew (learning)
Technical: Python, Java, C, PHP, HTML, CSS, SQL, JavaScript, familiar with Linux
Electrical engineering lab experience including circuits and microcontrollers