

# Doron L Grossman-Naples

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CONTACT INFORMATION	University of Illinois at Urbana-Champaign Department of Mathematics 273 Altgeld Hall 1409 W. Green Street (MC-382) Urbana, IL 61801	<a href="mailto:doronlg2@illinois.edu">doronlg2@illinois.edu</a> <a href="https://github.com/doronlgn">doronlgn.github.io</a>
RESEARCH INTERESTS	Algebraic topology, algebraic geometry, and homotopy theory. In particular, I am interested in chromatic homotopy theory (especially arithmetic aspects), spectral algebraic geometry, and applications to quantum field theory.	
EDUCATION	<b>University of Illinois at Urbana-Champaign</b> Ph.D. Student, Mathematics (expected May 2025) <ul style="list-style-type: none"><li>• Advisor: Charles Rezk</li></ul> M.S. in Mathematics, August 2021  <b>University of California at Berkeley</b> B.A. in Mathematics, May 2019 <ul style="list-style-type: none"><li>• Highest honors in mathematics, highest distinction in general scholarship</li><li>• Minor in physics</li></ul>	
HONORS AND AWARDS	2019	Departmental Citation (Valedictorian), Mathematics Department University of California at Berkeley
	2019	Paul Chernoff Memorial Prize University of California at Berkeley
PREPRINTS	<i>Finite Manifolds and Minimal Finite Models of Closed Surfaces</i> (2018).	
TALKS	<i>Chromatic Homotopy: What, Why, and How</i> , Graduate Student Homotopy Theory Seminar, University of Illinois at Urbana-Champaign (October 2022).  <i>Elliptic Cohomology and Conformal Field Theories</i> , Graduate Student Geometry and Topology Seminar, University of Illinois at Urbana-Champaign (September 2022).  <i>You Already Care About <math>\infty</math>-Topoi</i> , Graduate Student Homotopy Theory Seminar, University of Illinois at Urbana-Champaign (April 2022).  <i>An Informal Introduction to Formal Groups</i> , Graduate Student Commutative Algebra and Algebraic Geometry Seminar, University of Illinois at Urbana-Champaign (April 2022).  <i>Simplicial Localizations and How to Find Them</i> , Graduate Student Homotopy Theory Seminar, University of Illinois at Urbana-Champaign (October 2021).  <i>Finite Spaces and Finite Models</i> , Graduate Student Homotopy Theory Seminar, University of Illinois at Urbana-Champaign (September 2020).	
SEMINAR AND CONFERENCE ORGANIZATION	Chromatic Homotopy Theory Learning Seminar (co-organized with Yigal Kamel), University of Illinois at Urbana-Champaign, Spring 2023.	

Graduate Student Homotopy Theory Seminar, University of Illinois at Urbana-Champaign, Fall 2021–Spring 2022.

Higher Category Theory Reading Group, University of Illinois at Urbana-Champaign, Fall 2021–Spring 2022.

WORKSHOPS AND SUMMER SCHOOLS     *Conference on Homotopy Theory with Applications to Arithmetic and Geometry*, Fields Institute; Toronto, Ontario (June 2022).

*EWM-EMS Summer School: Chromatic Homotopy Theory and Friends*, Mittag-Leffler Institute; Djursholm, Sweden (June 2022).

*Sparsity of Algebraic Points (Virtual School)*, Mathematical Sciences Research Institute; Berkeley, California (June 2021).

*University of Chicago Math REU*, University of Chicago; Chicago, Illinois (Summer 2018).

TEACHING EXPERIENCE	Spring	2023	Grader, Algebraic Topology (Math 525)
	Spring	2023	Grader, Honors Abstract Linear Algebra (Math 416)
	Spring	2023	Grader, Introduction to Algebraic Geometry (Math 511)
	Fall	2022	Grader, Introduction to Abstract Algebra (Math 417)
	Fall	2022	Grader, Real Analysis (Math 540)
	Spring	2022	Grader, Abstract Linear Algebra (Math 416)
	Spring	2022	Grader, Algebraic Topology (Math 526)
	Spring	2022	Grader, Functional Analysis (Math 541)
	Fall	2021	Teaching Assistant, Linear Algebra with Computational Applications (Math 257)
	Spring	2021	Grader, Introduction to Abstract Algebra (Math 417)
	Spring	2021	Grader, Introduction to Abstract Algebra II (Math 418)
	Fall	2020	Grader, Fundamental Mathematics (Math 347)
	Fall	2020	Grader, Introduction to Abstract Algebra (Math 417)
	Spring	2020	Grader, Introduction to Discrete Mathematics (Math 213)
	Spring	2020	Teaching Assistant, Multivariable Calculus (Math 241)
	Fall	2019	Teaching Assistant, Calculus I (Math 221)

SERVICE     **Graduate Student Orientation Panel**, Department of Mathematics, University of Illinois at Urbana-Champaign; Urbana, Illinois (Fall 2022).

**Graduate Student Open House Panel**, Department of Mathematics, University of Illinois at Urbana-Champaign; Urbana, Illinois (Spring 2022).

**Graduate Student Peer Mentoring Program**, Department of Mathematics, University of Illinois at Urbana-Champaign; Urbana, Illinois (Fall 2021).

RELEVANT SKILLS     Languages:     English, Italian.

REFERENCES     **Charles Rezk**, Professor, Department of Mathematics, University of Illinois at Urbana-Champaign, (217) 265-6309, [rezk@illinois.edu](mailto:rezk@illinois.edu).