

Matt Larson

- CONTACT INFORMATION 6 Comstock Circle, Apt 418A
Stanford, CA USA 94305
Citizenship: United States
- EDUCATION **Stanford University**
PhD in Mathematics, 2019 – present
- Yale University**
M.S. in Mathematics, B.S. in Mathematics, 2019
Honors: Phi Beta Kappa, *magna cum laude*, distinction in the major
- RESEARCH PAPERS *The Arakelov-Zhang pairing and Julia sets* (with A. Bridy), to appear in Proceedings of the AMS. Preprint.
- Inverse problems for minimal complements and maximal supplements* (with N. Alon and N. Kravitz), J. Number Theory (2021). 18pp.
- Unions of Random Trees and Applications* (with A. James, D. Montealegre, and A. Salmon), Disc. Math. 344 (2021). 13pp.
- Power maps in finite groups*, Integers 19 (2019). #A58, 15pp.
- TALKS GIVEN *The theorem of the base*, Student Algebraic Geometry Seminar, Stanford. (September 2020)
- Toric varieties and combinatorics*, Student Algebraic Geometry Seminar, Stanford. (February 2020)
- Infinitesimal cohomology*, Crystalline Cohomology Learning Seminar, Stanford. (January 2020)
- Witt vectors*, Number Theory Learning Seminar, Stanford. (October 2019)
- Local h polynomials and the monodromy conjecture*, Joint Mathematics Meetings, Baltimore. (January 2019)
- Local h polynomials and the monodromy conjecture*, Young Mathematicians Conference, Ohio State University (August 2018)
- C^* -algebras and the Stone-Weierstrass theorem*, Student Seminar, Yale University. (July 2018)
- Power maps in finite groups*, Joint Mathematics Meetings, San Diego. (January 2018)
- Law of the iterated logarithm in $G(n, p)$* , Young Mathematicians Conference, Ohio State University. (August 2016)
- CONFERENCES ATTENDED *Combinatorial Algebraic Geometry at ICERM*, online. (Spring 2021)

Stacks Project Workshop, online. (August 2020)

Arizona Winter School, Tuscon. (March 2020)

Joint Mathematics Meetings, Baltimore. (January 2019)

Young Mathematicians Conference, Ohio State University. (August 2018)

Joint Mathematics Meetings, San Diego. (January 2018)

Young Mathematicians Conference, Ohio State University. (August 2016)

MAA Mathfest, Columbus. (August 2016)

TEACHING

Stanford University

Spring 2020 Course assistant for Modules and Groups Representations

Fall 2019 Course assistant for Applied Linear Algebra

Yale University

Fall 2017 - Spring 2019 Peer tutor for Vector Calculus and Linear Algebra I and II

HONORS AND
AWARDS

2020 NDSEG Fellowship

2019 DeForest Prize

2018 Chess International Master

2018 Anthony Stanley Prize

2017 Benjamin F. Barge Prize

2016 Chess FIDE Master

2015 National Merit Scholar

SERVICE

Contributor to the Stacks project

Member of Yale math department's undergraduate student advisory committee (2018-2019)

RELEVANT
SKILLS

Languages: English, Spanish (working proficiency)

Experience programming in Sage, Python, and Perl