

jack love

San Francisco, CA
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Experience

Mount Tamalpais College, San Quentin Rehabilitation Center, San Quentin, CA

- *General math tutor*, 2025-
- *Math instructor*, starting Summer 2025

San Francisco State University, Department of Mathematics, San Francisco, CA

- *Lecturer*, 2022-2024
 - Precalculus, Calculus II, Discrete mathematics, Statistics

George Mason University, Department of Mathematical Sciences, Fairfax, VA

- *Assistant Professor*, 2018-2020
 - Calculus I & II, Discrete Mathematics
- *Director of Outreach*, 2018-2020
Outreach Coordinator, 2016-2018
 - Mason Experimental Geometry Lab; Creating and delivering interactive mathematics presentations for K-12 students and adults.
- *Graduate Teaching Assistant*, 2013-2016
 - Calculus II & III, Differential Equations, Quantitative Reasoning

San Francisco Math Circle, San Francisco, CA

- *Founding co-director*, San Francisco Math Circle Math Camp, 2013-2017
 - Working with small teams to develop and deliver week-long mathematics summer programs for K-12 students.

Zomadic CNC, San Francisco, CA

- *Shop technician*, 2010
 - CNC router and general woodworking equipment operation.

Education	<p>MDes Interaction Design, 2022, California College of the Arts, San Francisco, CA</p> <p>Ph.D. Mathematics, 2019, George Mason University, Fairfax, VA Thesis: The stable limit of moduli spaces of polygons</p> <p>M.A. Mathematics, 2013, San Francisco State University, San Francisco, CA Thesis: Hom-polytopes between regular polytopes</p> <p>B.A. Mathematics, 2010, University of California Berkeley, Berkeley, CA</p>
Awards	<p>T.C. Lim Graduate Award for Excellence in Teaching, George Mason University, 2017</p> <p>Distinguished Achievement Award for Academic Excellence, San Francisco State University, College of Science and Engineering, 2013.</p> <p>National Science Foundation GK-12 fellowship, 2012.</p>
Publications	<p>The Stable Limit of Moduli Spaces of Polygons (pre-print, arXiv.org), 2020</p> <p>Vertex Maps between \triangle, \square, and \diamond, with Joseph Gubeladze, Geometriae Dedicata, 2015.</p>
Workshops	<p>Character Varieties: Experiments and New Frontiers, American Mathematical Society Mathematics Research Community, Snowbird, UT, June 5-11, 2016</p> <p>Career Discovery, Harvard Graduate School of Design, Summer 2014</p> <p>Summer School on Algebraic and Enumerative Combinatorics, S. Miguel de Seide, Portugal, June 2-13, 2013</p>
Talks (Research)	<p>Limits of Polygon Spaces, Combinatorics Algebra and Geometry seminar, George Mason University, 2020</p> <p>Polygon Spaces, Student Research Talks, George Mason University, 2017</p>

Stable Limits of Polygon Spaces, Mathematical Association of America MD-DC-VA section, Christopher Newport University, 2017

Polygon Spaces, Graduate Student Combinatorics Conference, University of Kansas, 2017

Diagonal Lengths of n -gons, Student Research Talks, George Mason University, 2016

Gröbner Bases of Toric Ideals, Student Research Talks, George Mason University, 2015

Hom Polytopes between Regular Polytopes, Graduate Student Combinatorics Conference, University of Minnesota, Twin Cities, 2013

Hom Polytopes between Regular Polytopes, American Mathematical Society Spring Eastern Meeting, Special Session on Convex and Discrete Geometry, George Washington University, 2012

Talks (Outreach) **The Art of Mathematics**, California College of the Arts, Interaction Design Sharpie Session, San Francisco, CA, 2022

Mathematics: A Visual Journey, Techstravaganza, Thomas Jefferson High School, Alexandria, VA, 2021

Examples of Outreach Activities (co-speaker), Joint Mathematics Meetings, Atlanta, GA, 2017

MEGL Outreach, Geometry Labs United Conference, University of Washington, 2017

Experimental Mathematics and Outreach (panel member), American Mathematical Society Mathematics Research Community, Snowbird, UT, 2016

Service **Co-organizer**, Geometry Labs United conference, Institute for Computational and Experimental Research in Mathematics, Brown University, 2020

Lead organizer, Student Research Talks seminar series, George Mason University, 2014-2017

Assistant organizer, Character Varieties: Experiments and New Frontiers, American Mathematical Society Mathematics Research Community, Snowbird, UT, June 5-11, 2016

Extra-curricular **Artist**, The Shape of Numbers solo exhibit, San Francisco, CA, 2023

Artist, Mathematical Art Galleries, Joint Mathematics Meetings, Baltimore, MD, 2014 & 2019

Instructor, Exploring Icosahedra workshop, Somewhere Something design studio, Los Angeles, CA, 2015