

EDUCATION	<b>Washington University in St. Louis</b>	St. Louis, MO
	<i>Ph.D. Mathematics</i>	Expected: May 2026
	Advisors: Dr. Laura Escobar and Dr. John Shareshian	
	<i>A.M. Mathematics</i>	May 2023
	<b>San Francisco State University</b>	San Francisco, CA
	<i>M.A. Mathematics</i>	May 2022
	Master's Thesis: Computing the $cd$ -Index of Products of Simplices	
	Advisor: Dr. Federico Ardila	
	<b>Pomona College</b>	Claremont, CA
	<i>B.A. Mathematics, Minor in Chemistry</i>	May 2016
	Thesis: Ethnomathematics	
	Advisors: Dr. Gizem Karaali and Dr. Adolfo Rumbos	
RESEARCH INTERESTS	Algebraic and geometric combinatorics, discrete geometry, algebraic geometry, mathematics education.	
RESEARCH EXPERIENCE	<b>San Francisco State University</b>	San Francisco, CA
	<i>Research Assistant</i>	June – July 2020
	Investigated the $f$ -vectors of the products of simplices.	
	Advisor: Dr. Federico Ardila	
	<b>University of Texas at Tyler Department of Mathematics</b>	Tyler, TX
	<i>REU Research Assistant</i>	June – July 2015
	Achieved publishable results in constructing graph with minimum order whose automorphism group is isomorphic to dicyclic group.	
	Advisor: Dr. Stephen Graves.	
PRESENTATIONS	<b>Washington University in St. Louis</b>	St. Louis, MO
	<i>Combinatorics Seminar</i>	Apr. 2023
	<i>Prisms and their Flag <math>f</math>-vector</i>	
	<b>Washington University in St. Louis</b>	St. Louis, MO
	<i>Szegő Seminar</i>	Apr. 2023
	<i>Convex Polytopes and their Flag <math>f</math>-vector</i>	
	<b>Encuentro Politopal Colombo-Californiano</b>	Remote
	<i>Invited Presentation</i>	Dec. 2020
	<i>On the <math>cd</math>-index of the product of simplices</i>	
	<b>Achievement Rewards for College Scientists</b>	Remote
	<i>Invited Research Presentation</i>	Dec. 2020
	<i>Polyhedral Combinatorics</i>	
	<b>California State University, Los Angeles</b>	Remote
	<i>Invited Presentation</i>	Nov. 2020
	<i>Best Practices for Teaching Precalculus in Synchronous Online Instruction</i>	
	<b>Joint Mathematics Meetings</b>	Seattle, WA
	<i>Invited Poster Presenter</i>	Jan. 2016
	<i>Graphs of Minimum Order with Dicyclic Automorphism Group</i>	
	Cadwallader, L., Graves, S., Huston, P., and <b>Meza, C.</b>	

AWARDS	<b>Achievement Rewards for College Scientists</b>	
	<i>ARCS Scholar</i> , \$10,000	Sept. 2020
	<b>San Francisco State University</b>	
	<i>College of Science &amp; Engineering Advisory Board Scholarship</i> , \$2,500	Sept. 2020
	<i>Department of Mathematics Milowski Scholarship</i> , \$2,175	June 2020
	<i>University Scholarship</i> , \$500	June 2020
	<b>National Alliance for Doctoral Studies in the Mathematical Sciences</b>	
	<i>Math Alliance Scholar</i>	June 2020
	Nominated by Dr. Federico Ardila to participate in the Facilitated Graduate Application Process (F-GAP) program.	
	<i>Math Alliance Scholar</i>	June 2018
	Nominated by Dr. Shahriar Shahriari, William Polk Russell Professor of Mathematics at Pomona College, to participate in the Facilitated Graduate Application Process (F-GAP) program.	
EMPLOYMENT	<b>Pomona College Draper Center for Community Partnerships</b>	Claremont, CA
	<i>Post-baccalaureate Fellow</i>	July 2016 – Aug. 2018
	Supported the director and assistant directors of the center in training student coordinators and maintaining Educational Outreach, Community Engagement, and Community Based Research and Learning programs.	
TEACHING & MENTORING EXPERIENCE	<b>Washington University in St. Louis</b>	St. Louis, MO
	<i>Assistant in Instruction</i>	Fall 2023
	Math 233: Calculus III	
	<i>Directed Reading Program Instructor</i>	Fall 2023
	Introduction to Graph Theory	
	<i>Grader</i>	Spring 2023
	Math 429: Linear Algebra	
	<i>Grader</i>	Spring 2023
	Math 407: Introduction to Differential Geometry	
	<i>Assistant in Instruction</i>	Fall 2022
	Math 131: Calculus I	
	<b>Pomona College Academy for Youth Success (PAYS)</b>	Claremont, CA
	<i>Mathematics Instructor</i>	Jun. - Jul. 2023
	Rising Sophomore Math	
	<i>Mathematics Instructor</i>	Jun. - Jul. 2022
	Rising Sophomore Math	
	<b>San Francisco State University</b>	
	<b>Department of Mathematics</b>	San Francisco, CA
	<i>Instructor of Record</i>	Aug. 2020 – Present
	Math 199: Pre-calculus	

*Graduate Teaching Assistant*  
Math 226: Calculus I

Aug. 2019 – Present

*Instructor of Record*  
Math 107: Business Calculus

Aug. 2019 – May 2020

**Moreno Valley College**  
**Department of Mathematics**  
*Academic Consultant*

Moreno Valley, CA  
May 2018

Advised faculty on culturally relevant pedagogy, service learning courses, and ethno-mathematics curriculum to increase recruitment, retention, and success of Black and Latinx mathematics students.

**Pomona College Scholars in Mathematics**  
*Inaugural Mentor*

Claremont, CA  
Aug. 2014 – May 2016

Fostered mathematical community among cohort of 20 underrepresented first-year students by co-leading weekly group meetings, facilitating community building activities, and conducting individual meetings.

**Pomona College Draper Center  
for Community Partnerships**  
*Student Coordinator*

Claremont, CA  
Aug. 2013 – May 2016

Coordinated mentorship program to prepare underrepresented high school students for the college application and selection process.

**Pomona College Department of Mathematics**  
*Mathematics Mentor*

Claremont, CA  
Jan. 2015 – May 2015

Organized weekly tutoring sessions for section of Calculus I to improve comprehension, prepare for exams, and establish a collaborative learning community.

**Pomona College Academy for Youth Success (PAYS)**  
*Teaching Assistant*

Claremont, CA  
June – July ‘13, ‘14, ‘16

Supported academic progress of class of 20 high-achieving underrepresented high school students by grading mathematics and critical inquiry assignments and facilitating collaborative study sessions.

*Instructor*

June – July 2013

Designed and taught month-long course.

*Scientific Literacy and Finding Minority Role- Models in Math & Science.*

*Instructor*

June – July 2014

Designed and taught two sections of two-week-long course.

*STEAM: Bridging the Gap Between Math and Art.*

*Instructor*

June – July 2016

Designed and taught month-long course.

*Revolutions and Interventions in Latin America.*

SERVICE

**Washington University in St. Louis**  
*Department of Mathematics Diversity Committee Member*

St. Louis, MO  
Fall 2023–Present

*Math/Stats Chats Co-Founder & Co-Organizer*

Fall 2022–Present

**Encuentro Colombiana de Combinatoria (ECCO)**  
*Panel Chair*Bogotá, Colombia  
Jun. 2022

## NEWS &amp; MEDIA

**KCAL 9/CBS 2 News**

Aug. 2023

“Pomona College give high schoolers chance to take classes, live on campus as part of youth program”

[www.cbsnews.com/losangeles/video/pomona-college-give-high-schoolers-chance-to-take-classes-live-on-campus-as-part-of-youth-program/](http://www.cbsnews.com/losangeles/video/pomona-college-give-high-schoolers-chance-to-take-classes-live-on-campus-as-part-of-youth-program/)**Spectrum 1 News**

Jul. 2023

“PAYS program prepares underserved students for college”

[spectrumnews1.com/ca/la-east/inside-the-issues/2023/07/21/pays-program-prepares-underserved-students-for-college](http://spectrumnews1.com/ca/la-east/inside-the-issues/2023/07/21/pays-program-prepares-underserved-students-for-college)**Telemundo 52**

Jul. 2023

“Programa gratuito ayuda a los estudiantes de preparatoria a llegar a la universidad”

[www.telemundo52.com/fotosyvideos-2/programa-gratuito-ayuda-a-los-estudiantes-de-preparatoria-a-llegar-a-la-universidad/2451315/?amp=1](http://www.telemundo52.com/fotosyvideos-2/programa-gratuito-ayuda-a-los-estudiantes-de-preparatoria-a-llegar-a-la-universidad/2451315/?amp=1)**Pomona College**

Jun. 2023

“Once-Skeptical Student Becomes Teacher in Pomona College Academy for Youth Success”

[www.pomona.edu/news/2023/06/08-once-skeptical-student-becomes-teacher-pomona-college-academy-youth-success](http://www.pomona.edu/news/2023/06/08-once-skeptical-student-becomes-teacher-pomona-college-academy-youth-success)