

Personal Details Fenton Hall
Office 314D

Higher education University of Oregon ,Eugene , USA,

Phd student in Mathematics: September 2021-present day

- Advisor: Dr.Nicolas Addington
 - Phd Candidate Spring 2024
- Humboldt-Universität zu Berlin (Berlin Mathematical School(BMS))**,Berlin, Germany,

Master's degree in Mathematics: October 2017- July 2019

- Thesis: *"Syzygies Conjectures for Algebraic Curves"*
- Advisor: Dr. Prof. Gavril Farkas
- Date : 5 September 2019

Universidad Autónoma de Yucatán, Facultad de Matemáticas, Mérida, Yucatán.

Master's degree in Mathematics: August 2015- June 2017

- (Moduli Spaces for Stable Pair)
- Advisors: Dra. G. Leticia Brambila Paz
Dr. Victor M. Bautista Ancona
- Date : 29 September 2017

Bachelor's degree in Mathematics: August 2011- June 2015

- Thesis: *"Regiones fundamentales para subgrupos discretos de $SO(2,1)$ "*
- (Fundamental Regions for Discrete Subgroup of $SO(2,1)$)
- Advisors: Dr. Waldemar del J. Barrera Vargas
Dr. Juan Pablo Navarrete Carrillo
Dr. Didier A. Solís Gamboa
- Date : 29 September 2015
- Extra: Honorific mention

Languages • Spanish: Native • English: Fluent • French: Fluent
• German: Conversational

Programming • Python • Matlab • Latex • Sage.

Academic-Teaching experience **Graduated employee- University of Oregon** September 2022-present
Sole Instructor: Math 111(Pre calc), Math 112 (Trigonometry)

TA for: Math 243 (Stats), Math 111, Math 251 (Business Calculus) and Math 231 (Discrete Math).

Grader: Math 444 (Abstract Algebra I)

Teacher assistant - UADY August 2014-June 2017
Calculus II, Calculus III

Service August 2014-April 2015
Centro de Asesorías en matemáticas (CAM)(Tutoring for high school students):

Organization-Service experience	What is...? seminar	January 2018- March 2020
	Organizing Seminar from students to students	
	BMS student representative	December 2018-December 2019
	Representing the students in the BMS and MATH+ committees	
	Organizing the BMS Student Conference 2020, social events, BMS Career Talk, peer mentoring program.	
	Student representatives to the Graduate Affair Committee	
	AMS UO student chapter	
	President	September 2023- August 2024
	Secretary	September 2024-August 2025
	Math Festival	February 2023, February 2024
	Feria de la ciencia y tecnología	
Publications	1. M. Delfín ” La Derivada Fraccionaria.” <i>Laberintos & Infinitos</i> , n ^o 29 :pp. 7–20, 2012.	
	2. W. Barrera, M. Delfín, J.Navarrete La ecuación polinomial trinomial” <i>Abstraction & Application</i> , n ^o 33 :pp.53-69 2021.	
Projects	Verano de la investigación científica de la península de Yucatán “Jaguar 2014”	June 2014-August 2014
	“Análisis de modelos de la geometría hiperbólica bidimensional” (Analysis of models of two-dimensional hyperbolic geometry)	
	Advisor: Dr. Didier A. Solis Gamboa	
Academic Events	XLVI Congreso Nacional de la Sociedad Matemática Mexicana	October 2013
	Poster in Fractional Derivative.	
	Seminario de Geometría	
	“Lo importante es intentarlo: El trabajo de Sacchieri sobre el quinto postulado” (It’s important to try:Sacchieri’s work on the fifth postulate)	October 2013
	Platica “La derivada fraccionaria”(Fractional Derivative)	May 2012
	XI Escuela de verano de Matemáticas	July 2014
	Jornadas de álgebra	
	“Superficies de Riemann y acciones de grupos” (Riemann Surfaces and group actions)	
	May 2016	
	Coloquio de Geometría	
	“The Green Conjecture”	February 2021
	Jornadas de álgebra	
	“Automorphism Group of Fermat Hypersurfaces”	May 2024
	Trieste Algebraic Geometry Summer School (TAGSS) 2024	September 2024

Contest	COMAP's Mathematical Contest in Modeling	February 2015
	Succesful Participant, working with Saray Pool Dominguez and Juan José Canales Castillo.	
	Concurso Nacional de Matemáticas "Pierre Fermat".	July 2013
	final phase.	
	Acerquémonos a la investigación	February 2012-June 2012
	La derivada Fraccionaria. (Fractional Derivative)	
	Advisor: M.C.M Rene Israel García Lara.	
	Third place.	
Mentoring	UO Directed Reading Program	
	Kira Royce: The sum of four squares	2023-2024 Projects
	Paul Zupan: The Yoneda Lemma.	
	Mentoring Incoming International Phd Students	
Fellowships and awards	Sofía Garzón (Colombia)	
	Benjamín Alioni (Argentina)	
	Zhengdong Zhang (China)	
	Verano Jaguar	
	Beca Tesis	
	Beca Conacyt	
	Raymund Fellowship	September 2021- August 2022
	E.M Johnson Memorial Scholarship	Summer 2023
	The John V. Leahy Memorial Award	Summer 2024
	The Paul and Harriet Civin Memorial Graduate Student Award in Mathematics	
	Summer 2024	