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General Information City: México D.F
Nationality: Mexican / Spanish

Higher education **University of Oregon**),Eugene , USA,

Phd student 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 Mathematics: October 2017- July 2019

- Grade point average On courses : 1,15.
- Grade overall: 1.5
- 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 Mathematics: August 2015- June 2017

- Grade point average : 99.33
- Thesis: “*Espacios moduli de parejas estables*”
- (Moduli Spaces for Stable Pair)
- Advisor: Dra. G. Leticia Brambila Paz
Dr. Victor M. Bautista Ancona
- Date : 29 September 2017

Bachelor’s degree Mathematics: August 2011- June 2015

- Grade point average : 93.53
- Thesis: “*Regiones fundamentales para subgrupos discretos de $SO(2,1)$* ”
- (Fundamental Regions for Discrete Subgroup of $SO(2,1)$)
- Advisor: 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 100 % • English 80 % • French 80 %
• German 30 %

Programming • Python • Matlab.

Academic-Teaching experience **Graduated employee- University of Oregon** September 2022-present day
Istructor: Math 111(Pre calc)

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

Grader: Math 444 (Abstract Algebra I)
Teacher assistant - UADY August 2014-June 2017
Calculus II, Caculus III

Social Service August 2014-April 2015
Centro de Asesorias 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

Publications

1. **M. Delfín** La Derivada Fraccionaria.” *Laberintos & Infinitos*, n^o29 :pp. 7–20, 2012.
1. **W. Barrera, M. Delfín, J.Navarrete** La ecuación polinomial trinomial” *Abstraction & Application* , n^o33 :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 intartarlo: 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

Jornadas de álgebra

“Superficies de Riemann y acciones de grupos”(Riemann Surfaces and group accctions) May 2016

Coloquio de Geometría

“The Green Conjecture” February 2021

Jornadas de álgebra

.Automorphism Group of Fermat Hypersurfaces” May 2024

Contest	COMAP's Mathematical Contest in Modeling	February 2015
	Succesful Participan, 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
	Mentoring Incoming International Phd Students	
	Sofía Garzón (Colombia)	
	Benjamín Alioni (Argentina)	
	Zhengdong Zhang (China)	
Fellowships and awards	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