

Curriculum Vitae
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AWARDS AND MERITS	GEM Fellowship Pre-Selected Scholar	December 2022
	Hispanic Scholarship Fund Scholar	June 2022-present
	National Math Alliance Predoctoral Scholar	November 2021-May 2023
	UPRM Faculty of Arts and Sciences Honor Roll	August 2018-May 2023
	National Trig-Star Math Competition, 16th Overall Finalist	June 2017
	Eagle Scout Rank, with 2 Silver Palms	May 2017

- PAPERS,
ARTICLES AND
CONTRIBUTIONS
- [1] E.J. Pabon-Cancel and R.M. Ortiz-Albino.
Properties of $\tau_{(n)}$ -primes. (In progress).
 - [2] A. Allen, E.J. Pabon-Cancel, L. Polanco and F. Piñero-Gonzalez.
Improving Bounds of Hermitian-Lifted Codes. (Submitted).
arxiv: <https://arxiv.org/abs/2302.01557>
 - [3] D. Chen, P.E. Harris, J. Carlos Martinez Mori, E.J. Pabon-Cancel and G. Sargent.
Permutation Invariant Parking Assortments. (Submitted).
arxiv: <https://arxiv.org/abs/2211.01063>.
 - [4] P.E. Harris, Z. Markman, L. Martinez, A. Mock, E.J. Pabon-Cancel, A. Verga, and S. Wang.
A how to guide to a one-hour workshop on mentoring. (Submitted).
 - [5] I. Byrne, N. Dodson, R. Lynch, E.J. Pabon-Cancel, F. Piñero-Gonzalez.
Improving the Minimum Distance Bound of Trace Goppa Codes. (Submitted).
arxiv: <https://arxiv.org/abs/2201.03741>.

PRESENTATIONS

1. **38th Interuniversity Mathematical Sciences Research Seminar** **Mayagüez, PR**
Permutation Invariant Parking Assortments Presentation February 2023
2. **AAAS Emerging Researchers National Conference in STEM** **Washington, DC**
Permutation Invariant Parking Functions with cars of assorted lengths Poster February 2023
3. **Joint Mathematics Meetings 2023** **Boston, MA**
Permutation Invariant Parking Functions with cars of assorted lengths Poster January 2023
Permutation Invariant Parking Functions with Cars of Arbitrary Lengths Presentation
4. **SACNAS National Diversity in STEM Conference** **San Juan, PR**
The Study of $\tau_{(n)}$ -primes Poster October 2022
5. **Gulf Coast Undergraduate Research Symposium** **Houston, TX**
Properties of $\tau_{(n)}$ -primes Presentation October 2022
6. **Summer@ICERM 2022: Computational Combinatorics** **Providence, RI**
On Permutation-Invariant Parking Sequences Presentation August 2022
7. **2022 JTM-PRISM** **Humacao, PR**
The Study of $\tau_{(n)}$ -primes Presentation April 2022
8. **Joint Mathematics Meetings 2022** **Virtual Presentation**
Improving Bounds of Hermitian-Lifted Codes Poster April 2022
9. **37th Interuniversity Mathematical Sciences Research Seminar** **Virtual Presentation**
Improving Bounds of Hermitian-Lifted Codes Presentation February 2022
The Study of $\tau_{(n)}$ -primes Poster
10. **2021 Math REU Conference@Clemson University** **Virtual Presentation**
Improved Hermitian-Lifted Codes Presentation July 2021

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| 11. 2021 JTM-PRISM
<i>The Study of $\tau_{(n)}$-atoms Presentation</i> | Virtual Presentation
April 2021 |
| 12. 35th Interuniversity Mathematical Sciences Research Seminar
<i>The Study of $\tau_{(n)}$-atoms Poster</i> | Cayey, PR
March 2020 |

CONFERENCES

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| 1. 38th Interuniversity Mathematical Sciences Research Seminar
<i>University of Puerto Rico, Mayagüez Campus, Mayagüez, Puerto Rico</i> | 24-25 February, 2023 |
| 2. AAAS Emerging Researchers National Conference in STEM
<i>Omni Shoreham Hotel, Washington, District of Columbia</i> | 9-11 February, 2023 |
| 3. Joint Mathematics Meetings 2023
<i>John B. Hynes Veterans Memorial Convention Center, Boston, Massachusetts</i> | 4-7 January, 2023 |
| 4. 2022 Field of Dreams Conference of The National Math Alliance
<i>The University of Minnesota-Twin Cities, Minneapolis, Minnesota</i> | 4-6 November, 2022 |
| 5. SACNAS National Diversity in STEM Conference
<i>Pedro Roselló Convention Center, San Juan, Puerto Rico</i> | 27-29 October, 2022 |
| 6. Gulf Coast Undergraduate Research Symposium
<i>Rice University, Houston, Texas</i> | 8-9 October, 2022 |
| 7. 2022 Junior Technical Meeting-PR Interdisciplinary Scientific Meeting
<i>University of Puerto Rico at Humacao, Humacao, Puerto Rico</i> | 9 April, 2022 |
| 8. Joint Mathematics Meetings 2022
<i>Zoom Conference</i> | 6-9 April, 2022 |
| 9. 37th Interuniversity Mathematical Sciences Research Seminar
<i>Zoom Conference, sponsored by University of Puerto Rico, Mayagüez Campus</i> | 25-26 February, 2022 |
| 10. 2021 Math REU Conference@Clemson University
<i>Zoom Conference. Participating Institutions:
Clemson University, East Tennessee State University, North Carolina A&T, Elon University</i> | 19 July, 2021 |
| 11. 2021 Junior Technical Meeting-PR Interdisciplinary Scientific Meeting
<i>Virtual Conference, sponsored by Puerto Rico Louis Stokes Alliance for Minority Participation</i> | 23-24 April, 2021 |
| 12. 35th Interuniversity Mathematical Sciences Research Seminar
<i>University of Puerto Rico at Cayey, Cayey, Puerto Rico</i> | 6-7 March, 2020 |

WORKSHOPS AND MINI-COURSES

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| Preliminary Arizona Winter School 2022: Heights and Model Theory
<i>Topics: Heights in Diophantine geometry</i>
<i>Organizers: Southwest Center for Arithmetic Geometry, University of Arizona</i> | Virtual Course
October 2022–November 2022 |
| MSRI Modern Math Workshop 2022
<i>Topics: Mathematical Modeling and Data Science</i>
<i>Organizers: Hélene Barcelo (MSRI), Christian Ratsch (IPAM), Ulrica Wilson (ICERM)</i> | San Juan, PR
October 2022 |
| Thematic Program in p-adic L-functions and Eigenvarieties
<i>Topics: Modular Forms and Elliptic Curves (Undergraduate Summer School)</i>
<i>Organizers: A. Jorza, C. Raicu, E. O’Dorney (Center for Mathematics, University of Notre Dame)</i> | Notre Dame, IN
May 2022 - June 2022 |

2022 NSF/STEM: Fellowships Application Workshop*Topics: Grants and Fellowships Workshop**Organizers: Mike Westrate (Villanova University)***Rio Piedras, PR**

May 2022

Algebraic Coding Theory Workshop*Topics: Finite Fields and Projective Geometry**Organizer: Fernando Piñero González (University of Puerto Rico at Ponce)***Johnson City, TN**

June 2021

STUDENT

PythagoRUM**Mayagüez, PR**

ASSOCIATIONS

Co-founder & Vice-President

August 2022–May 2023

- Served as co-founder and currently serving as Vice-President for the mathematics and computer science student association. This entity has the purpose to promote research in mathematics, as well as related fields of STEM, through professional development workshops and research colloquia.

Society of Physics Students, UPRM Chapter**Mayagüez, PR***Committee Assistant*

August 2018–May 2023

- Served as a Demonstration Committee assistant in 2 physics phenomena presentations. The presentations were for an audience of 20+ elementary school students to motivate them to study science. Served as a Sales Committee assistant in chapter food sales event to improve the chapter's office.

Hermanidad Colegial de Avivamiento

August 2018–December 2022

Committee Assistant

- Served as percussion musician for Hermanidad Colegial de Avivamiento. Went on a mission to the municipality of Vieques, Puerto Rico in the winter of 2019, and helped distribute donated food, clothing and gifts for people in need.

Acting and Music**Mayagüez, PR***Acting: Theater Presentations and Roles*

March 2019–May 2023

- The Physics Movie (Nicholas Flamel, secondary character) (In Development)
- El Muerto (Sabás Honoré, secondary character) (August 2019)
- The Physics Show (Michael Faraday, secondary character) (March 2019)

Music: Alma Latina UPRM

February 2020–March 2020

- Worked as percussion musician and staff for the Latin jazz and salsa music group Alma Latina at UPRM.