

Cynthia Marie Rivera Sánchez

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Education

University of Puerto Rico - Río Piedras Campus

August 2019 - Present

Bachelor of Science in Computational Mathematics and Statistics

Second major in Computer Science, minor in Human Rights

General GPA: 3.90 | Major GPA: 3.90

Expected Graduation Date: May 2024

Research Advisor: Dr. Ivelisse Rubio

Research Experience

Undergraduate Research

January 2021 - December 2021

- Mentor: Dr. Ivelisse Rubio (iverubio@gmail.com)
- Research in Involutions of Finite Fields Obtained from Dickson Polynomials.

Mathematical Science Research Institute - REU

June 2021 - July 2021

- Mentor: Dr. Pamela E. Harris (peh2@williams.edu)
- MSRI-UP Parking Functions: Choose Your Own Adventure
- Research on Defective Parking Functions

Teaching Experience

Math Discrete Tutor

August 2021 - December 2021

- Supervisor: José R. Ortiz Ubarri (jose.ortiz23@upr.edu)
- Tutor in the Stipend Program project: Design and Development: Scholar COMPASS: Scholarships, Community, and Peer Academic Support for Success

Tutoring Assistant at EMT Solution

January 2020 - February 2020

- Supervisor: María Rodríguez (emtsolution@outlook.com)
- Review for the Math section of the College Board Exam

Work Experience

Webpage Developer

January 2022 - May 2022

- Supervisor: Ivelisse Rubio (iverubio@gmail.com)
- Updated the *Laboratorio Emmy Noether* webpage

Office Work: Biology Department UPR-RP

August 2019 - May 2020

- Supervisor: Angela Pelet (angela.pelet1@upr.edu)
- Assisted students during the enrollment process
- Organized and delivered important documents

Presentations and Talks

The Defective Parking Space

April 2022

- Join Mathematics Meeting 2022 (virtual talk)

Orbits of Defective Parking Functions and the Infinity Norm

October 2021

- SACNAS Poster Presentation

The Defective Parking Space

July 2021

- MSRI-UP REU Presentations (virtual talk)

Computer Skills

Proficient in the programming languages:

- Python
- C++
- SageMath
- R
- LaTeX

Languages

Spanish

- Native language
- Advances skills on writing, reading and speaking

English

- Advances skills on writing, reading and speaking

Awards and Honors

Dean's Honor List	January 2020 - Present
AEELA Scholarship ○ Scholarship for the children and grandchildren of the members of AEELA	August 2020 - May 2024
Hispanic Scholarship Fund Scholar Designation	August 2021 - May 2022
Scholar COMPASS: Francis Castro Scholarship	August 2021 - May 2022
Grace Hopper Celebration Scholarship	September 2021
Scholar COMPASS: Francis Castro Scholarship	August 2020 - May 2021
Rafael Carrión Jr. Award for Academic Excellence	August 2019

Extracurricular Activities

Student Council of the Faculty of Natural Sciences ○ Mathematics Representative ○ Formed part of the Activity Committee	August 2019 - August 2020
FBI Teen Academy 2019 ○ Mentored and supervised a group of five students ○ Helped maintain the organization of the group ○ Participated on the workshops that were offered	July 2019