

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

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

Representative Apprentice

June 2018

- Supervisor: Manuel Natal Albelo (victoriaporsanjuan@gmail.com)
- Summer job (shadowing program)
- Visited different communities to become aware about their necessities
- Learned how to compose a bill

Presentations and Talks

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

Hispanic Scholarship Fund Scholar Designation **June 2021 - Present**

Scholar COMPASS: Francis Castro Scholarship **November 2020 - Present**

AEELA Scholarship **August 2020 - Present**

- Scholarship for the children and grandchildren of the members of AEELA

Dean's Honor List **January 2020 - Present**

Grace Hopper Celebration Scholarship **July 2021**

Rafael Carrión Jr. Award for Academic Excellence **August 2019**

Extracurricular Activities

Student Council of the Faculty of Natural Sciences **August 2019 - August 2020**

- Mathematics Representative
- Formed part of the Activity Committee

FBI Teen Academy 2019 **July 2019**

- Mentored and supervised a group of five students
- Helped maintain the organization of the group
- Participated on the workshops that were offered

Oratory Club **August 2016 - May 2019**

- Team captain: August 2018 - May 2019
- Participant of the theater category

FBI Teen Academy 2018 **July 2018**

- Participated on the workshops that were offered