

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: 3.97 | Major GPA: 3.90
Expected Graduation Date: May 2024

Research Experience

NYC Discrete Math REU **June 2022 - August 2022**

- Mentor: Dr. Matthew Junge (jungem13@gmail.com)
- Research in Clustered Ballistic Annihilation

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 - December 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

Experienced in WordPress and HTML

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

August 2020 - May 2024

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

Tapia 2022 Conference Scholarship

September 2022

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

Computer Science Student Association (AECC)

August 2022 - Present

- Member of the association
- Member of the directive: secretary (August 2022 - May 2023)

Student Council of the Faculty of Natural Sciences

August 2019 - August 2020

- Mathematics Representative
- Formed part of the Activity Committee