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: 3.93
Expected Graduation Date: May 2024

Research Experience

REU - Emerging Issues in Cybersecurity　　　　　　**May 2023 - July 2023**
- Mentor: Dr. Sihua Shao (sihua.shao@nmt.edu)

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

Discrete Mathematics 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

Software Engineer Trainee　　　　　　**February 2023 - June 2023**
- Supervisor: Carlos Corrada (carlos.corrada2@upr.edu)
- Work on a software engineering problem in the Computer Development and Consulting Center

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**
o Joint Mathematics Meeting 2022 (virtual talk)

Orbits of Defective Parking Functions and the Infinity Norm   **October 2021**
o SACNAS Poster Presentation

The Defective Parking Space   **July 2021**
o MSRI-UP REU Presentations (virtual talk)

Computer Skills

Proficient in the programming languages:
o Python
o C++
o R
o PHP

Experienced in WordPress and HTML

Languages

Spanish
o Native language
o Advances skills on writing, reading and speaking

English
o Advances skills on writing, reading and speaking

Awards and Honors

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

AEELA Scholarship   **August 2020 - May 2024**
o Scholarship for the children and grandchildren of the members of AEELA

S-STEM Scholar Meeting   **September 2023**

Scholar COMPASS: Francis Castro Scholarship   **August 2022 - May 2023**

Hispanic Scholarship Fund Scholar Designation   **2022**

Graduate Research Opportunities for Women (GROW) Conference   **October 2022**
o One of the 82 participants selected to form part of this conference

Tapia 2022 Conference Scholarship   **September 2022**

Scholar COMPASS: Francis Castro Scholarship   **August 2021 - May 2022**

Hispanic Scholarship Fund Scholar Designation   **2021**

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

General Student Council   **September 2022 - Present**
- President (March 2023 - Present)
- Vice president (November 2022 - March 2023)
- Alternate representative to the University Board (September 2022 - November 2022)

Student Council of the College of Natural Sciences   **September 2022 - Present**
- Representative to the General Student Council

Computer Science Student Association (AECC)   **August 2022 - Present**
- Secretary (August 2022 - May 2023)
- Member of the association

Math Student Association (AEMat)   **August 2022 - Present**
- Vice president (August 2022 - May 2023)
- Member of the association

Student Council of the College of Natural Sciences   **August 2019 - August 2020**
- Mathematics Representative