

Micky D. Santiago-Zayas

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Objective

A student who enjoys solving a good challenge, trying to obtain an interesting research project, to learn, to bring innovative ideas, and to encourage strong teamwork skills between the members working in the project.

Academic Background

Purdue University; West Lafayette, Indiana

July 2020 – Current

Candidate for BS in Mathematics and Computer Science

3.73 GPA

Related Coursework

- Intro to Research
- Abstract Algebra I
- Data Structures/Algorithms
- Principles of Compilers
- Modern Mechanics
- Grad Real Analysis
- Intro to Compilers
- Problem Solving and O-O Programming and others.
- Linear Algebra I & II
- Differential Equations
- Systems Programming
- Introduction to Statistics
- Computer Architecture
- Analysis of Algorithms

Skills

- **Microsoft Technology Associate Certificates:**
 - Intro to Programming Using HTML and CSS
 - Intro to Programming Using Python
 - Windows Operating Systems
 - Security and Database Fundamentals
- **Microsoft Office Specialist:** PowerPoint, Word & Excel
- **Multiple Programming Languages:**
 - Low Level Programming – Assembly x86-64, ARM, C
 - Object Oriented Programming – Java, C++
 - SQL and Data Handling – SQL and R
 - React and Front-End Experience – HTML, CSS, Javascript
 - Formal Documentation Expert – LaTeX,
 - Mathematical Programming – MatLab, Sage, Python
- **Multilingual:** Spanish (Native Speaker), English (Fluent), ALS (Beginner)
- **Personal Projects:** Developed Interactive React websites, recreational video games, C and Java Compilers

Professional Experience

- Differential Equations Teaching Assistant
- ScheduleSwift Self Start Website Project
- Union Rack & Roll Student Manager
- Research in Random Walks in Free Groups
- Louis Stokes Alliance Minority Program
- Summer Research Conference Speaker
- Emerging Leaders Science Scholar Mentor
- Aug 2022 – Current
- Aug 2022 – Current
- Jan 2022 – Current
- June 2022 – Sep 2022
- June 2022 – Aug 2022
- July 2022
- Aug 2021 – May 2022

Additional Positions & Experiences

- Purdue's Honor College Student
- Math Tutor
- Math Research in Combinatorics and Computers
- Physics Research in Electrostatic Plasma
- Aug 2020 – Current
- Sep 2016 – May 2022
- Aug 2019 – May 2020
- Oct 2018 – May 2019

Awards & Honors

- BoilerMake Hackathon Participant
- Purdue's Dean's List & Semester Honors
- 2nd Place Physics Regional Science Fair
- Semi-Finalist in National Math Fair
- Semi-Finalist National Math Competitions
- High School Mathematics Research Winner
- High School Math Competitor Cup Winner