



Kevin S. Rivera Ramos

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Education

University of Puerto Rico, Mayagüez

Expected Graduation Date: May 2029

Bachelor's Degree in Electrical Engineering

CROEM STEM Specialized School

Graduation Date: May 2024

High School Diploma

Relevant Coursework: *Calculus, Linear Algebra, Analytical Geometry, Statistics, Astronomy & Cosmology, Particle Physics, Genetics, Environmental Sciences, Engineering Graphics & Fundamentals*

Experience

Mentee - IEEE EMBS Student Mentorship Program (SMP) 2024

Mentorship program focused on supporting the academic and professional development of students through mentoring by advanced students, providing access to resources and guidance in the application processes for internships and research opportunities.

Skills & Tools

Skills: *Spanish (native), English (fluent), JavaScript (average), Python (average), C++ (beginner), MATLAB (beginner)*

Tools: *Google Workspace, Office 365, AutoCAD (intermediate), Arduino IDE (average)*

Personal Projects

NoteObelisk, Web Note-Taking App - Personal Project 2025

- Built a minimalist, responsive note-taking web app using vanilla HTML, CSS, and JavaScript. Features include IndexedDB-based data persistence, dynamic note creation/editing, and clean UI design focused on productivity and study modes.

Piezoelectric Muscular Monitor, Biofeedback Device - Personal Project 2024

- Used a piezoelectric sensor with Arduino IDE to quantify muscle contractions, displaying the values on an LCD screen with the goal of detecting anomalies potentially linked to injuries.

Leadership Experience

Captain – Hormigueros Track and Field Club 2023 – 2024

- Coordinated training sessions, motivated teammates and provided feedback which improved overall performance.
- Assisted in the planning of workouts and group dynamics to ensure a positive and focused environment, crucial for national competitions.

President - CROEM Athletics Club 2023 – 2024

- Organized multiple tournaments and managed the school gym.
- Encouraged the formation of basketball, volleyball, beach volleyball, table tennis, cross-country and track and field teams.
- Actively advocated for student's rights to participate in sports, addressing and overcoming administrative obstacles posed.

Affiliations

IEEE Engineering in Medicine and Biology Society 2024 – present

IEEE UPRM Student Branch 2024 – present

UPRM Track and Field Team 2024 – present