

Edyan Cruz

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Education

- B.S. in Software Engineering**, *University of Puerto Rico Mayagüez Campus (UPRM)* Aug 2022 – May 2027
Mayagüez, Puerto Rico
- **Relevant Courses:** Advanced Programming, Calculus I-III, Fundamentals of Computing, Data Structures
 - **Cumulative GPA:** 3.91
 - **Honors:** Dean's List for academic year 2022-2023
- Google Tech Exchange**, *Virtual* Jan 2024 – May 2024
- **Relevant Courses:** Applied Data Structures, Careers in Tech, Software Development Studio, Intro to Product Management

Technical Skills

Languages (TypeScript, JavaScript, Python, Kotlin, C++, Java), **Technologies** (Git, Node.js, Android Studio, Linux, Docker, ROS, HTML, CSS.)

Experience

- STEP Intern**, *Google* May 2024 – Aug 2024
- Set to intern with **Google's** Student Training in Engineering Program (**STEP**) during Summer 2024.
- Mentor for UPRM Hacks Camp 2023**, *University of Puerto Rico Mayagüez Campus (UPRM)* Jun 2023 – Jul 2023
Mayagüez, Puerto Rico
- Guided and supported a cohort of 30 students by offering hands-on assistance in coding, app design, and problem-solving using MIT App Inventor.
 - Improved group collaboration and participation by 30% through a series of interactive trust-building activities, fostering a collaborative and inclusive learning environment.

Projects

- Software Architect Leader**, *RUMarino Autonomous Underwater Vehicle (AUV) Team* Dec 2022 – present
- Led a team of 3 software engineers in the design, implementation, and maintenance of the software architecture for RUMarino's AUV, which will participate in the RoboSub 2024 competition.
 - Designed the AUV's software architecture in collaboration with other divisions, enhancing modularity, scalability, and ease of maintenance through the use of **ROS** and **Docker**.
 - Developed the task planning framework for the AUV to autonomously plan and execute complex tasks based on sensor data utilizing **Python** and **SMACH** (state machines).
- FlightTracker Pro**, *CodePath Project (Source code available upon request)* Oct 2023 – Nov 2023
- Collaborated with a 3-person team to build an flight searching app for **Android** in **Kotlin** using **Android Studio** over 3 weeks utilizing queries from the AviationStack **API**.
 - Designed the core UI/UX utilizing **layouts** and **views** to display flight data from the **API** in a list, resulting in an adaptable and user-friendly application for efficient flight searches.
 - Integrated multiple search query options (flight number, airline, airports) to allow users to filter through specific flights.
- Discord Applications Bot**, *Personal Project* Jun 2023 – Jul 2023
- Created a user-friendly Discord bot using **TypeScript** and **Node.js**, allowing server moderators to seamlessly collect, manage, and organize user applications within the platform interface.
 - Added CSV export of form data by employing the **Sequelize** library to integrate **SQLite** as a **relational database**.
 - Improved code quality and reliability by conducting a comprehensive rewrite from **JavaScript** to **TypeScript**.

Extracurriculars

- CodePath Intro to Android Development**, *Student* Sep 2023 – Nov 2023
- Learned Android development basics including **Android Studio**, **Kotlin**, and designing UIs with **views** and **layouts**.
 - Built various apps integrating **REST APIs** and **JSON data parsing**, emphasizing UI design principles.
 - Worked with a 3-person team in building a flight searching app over 3 weeks for CodePath's Demo Day, demonstrating skills in writing product specs, wireframing, and development.
- UPRM Competitive Programming Team**, *Member* May 2023 – Oct 2023
- Collaborated with a team of three members, including myself, to solve challenging programming problems utilizing **C++**, fostering effective communication, teamwork, and creative thinking.
 - Achieved the title of Regional Champion for Puerto Rico at the **2023 ICPC Caribbean Finals (Qualifier) competition**, securing a **gold medal** and an impressive 38th place ranking among all participating groups from Caribbean nations.