

Edyan Cruz

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Education

B.S. in Software Engineering , <i>University of Puerto Rico Mayagüez Campus (UPRM)</i> <ul style="list-style-type: none">• 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	Aug 2022 – May 2027 Mayagüez, Puerto Rico
Google Tech Exchange , <i>Virtual</i> <ul style="list-style-type: none">• Completed accredited coursework and received direct mentorship from Googlers.• Relevant Courses: Applied Data Structures, Careers in Tech, Software Development Studio, Intro to Product Management	Jan 2024 – May 2024


Technical Skills

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

Experience

STEP Intern , <i>Google</i> <ul style="list-style-type: none">• Set to intern with Google's Student Training in Engineering Program (STEP) during Summer 2024.	May 2024 – Aug 2024 Bellevue, Washington
Mentor for UPRM Hacks Camp 2023 , <i>University of Puerto Rico Mayagüez Campus (UPRM)</i> <ul style="list-style-type: none">• 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.	Jun 2023 – Jul 2023 Mayagüez, Puerto Rico

Projects

Software Architect Leader , <i>RUMarino Autonomous Underwater Vehicle (AUV) Team</i> <ul style="list-style-type: none">• Led a team of 3 software engineers in charge of implementing the software architecture for RUMarino's AUV, which will participate in the RoboSub 2024 competition.• Designed a modular and scalable software framework using ROS and Docker, enabling easier maintenance and future development.• Developed the task planning framework for the AUV to autonomously plan and execute complex tasks based on sensor data utilizing Python and SMACH.	Dec 2022 – present
ClassCorder , <i>Academic Project</i> <ul style="list-style-type: none">• Led the development of the user-friendly dashboard for a lecture recording web application using Python and Streamlit as part of a 3-person group project for Google Tech Exchange.• Implemented Google Speech-to-Text API for multi-lingual lecture transcription and leveraged Gemini and Imagen APIs for lecture metadata generation.• Established a scalable data storage solution using BigQuery, enabling efficient access to lecture details for various users.	Feb 2024 – Apr 2024
FlightTracker Pro , <i>CodePath Project (Source code available upon request)</i> <ul style="list-style-type: none">• 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.	Oct 2023 – Nov 2023
Discord Applications Bot , <i>Personal Project</i>  <ul style="list-style-type: none">• 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.	Jun 2023 – Jul 2023

Extracurriculars

CodePath Intro to Android Development , <i>Student</i> <ul style="list-style-type: none">• Established a strong foundation in Android development" using Android Studio, Kotlin, and XML-based UI design principles.• Developed various Android applications integrating REST APIs and JSON data parsing with a focus on clean and user-friendly UI design.• Worked with a 3-person team in building a flight searching app over 3 weeks for CodePath's Demo Day, utilizing strong communication and collaboration skills to deliver a functional and user-friendly application on time.	Sep 2023 – Nov 2023
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