

# Edyan Antonio Cruz Velez

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## Education

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- B.S. in Software Engineering**, *University of Puerto Rico Mayagüez Campus (UPRM)* Aug 2022 – Dec 2026  
Mayagüez, Puerto Rico
- **Relevant Courses:** Data Structures, Object-Oriented Programming, Calculus I-III, Discrete Mathematics
  - **Cumulative GPA:** 4.00
  - **Honors:** Dean's List for academic year 2022-2023

## Skills

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**Programming Languages** — TypeScript, JavaScript, Python, Kotlin, C++, Java, HTML, CSS

**Soft Skills** — Git, Angular, Node.js, Android Studio, Streamlit, Google Cloud, BigQuery, Linux, Docker, ROS, Blender

## Experience

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- STEP Intern**, *Google* May 2024 – Aug 2024  
Bellevue, Washington
- Integrated Google Photos media picker into Google Messages for Web using **Angular** and **TypeScript**, reducing time spent attaching media by 50%.
  - Collaborated with a fellow intern to write an **engineering design document** which addresses accessibility, future extensibility, telemetry, and UX design.
  - Added a progress bar and enhanced attachments error handling, improving the existing user end-to-end attachment flow.

## Projects

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- RUMarino Autonomous Underwater Vehicle (AUV)**, *Team Project* Dec 2022 – present
- Led a team of three software engineers to develop RUMarino's AUV software framework utilizing **ROS** and **Docker** to participate in RoboSub 2025.
  - Assisted other teams to integrate their software stack into the AUV by handling external dependencies such as **CUDA**, streamlining testing processes and enhancing efficiency.
  - Developed the task planning framework for the AUV to autonomously plan and execute complex tasks based on sensor data utilizing **Python**.
- ClassCorder**, *Google Tech Exchange Project* Feb 2024 – Apr 2024
- Led the development of the intuitive 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, significantly improving search efficiency and user experience.
  - Added scalable data storage using **BigQuery** and **Cloud Storage**, enabling efficient access to previously recorded lectures for various users.
- FlightTracker Pro**, *CodePath Project* Oct 2023 – Nov 2023
- Collaborated with a 3-person team to build an flight searching app for **Android** in **Kotlin** using **Android Studio** in 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.