

Paola Dorado Galicia

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SUMMARY

Junior student driven by **curiosity** and a **strong hunger to learn**, passionate about building **inclusive, real-world software** that blends **innovation with impact**, turning challenges into opportunities.

EDUCATION

Florida International University | Miami, FL
Bachelor of Science in Computer Engineering

- **Cumulative GPA:** 3.8 / 4.0 | **Dean's List:** 2024-Present
- **Relevant Coursework**
 - C Programming for Embedded Systems
 - C++ Programming for Embedded Systems
 - Circuit Analysis
 - Data Structures
 - Programming for Embedded Systems
- **Associations**
IEEE FIU, Panther Robotics, INIT FIU, WiCS FIU, Google Developer Student Club, AAVE

Jan. 2024 - Dec. 2027 (Expected)
Programming I & II
Discrete Structures
Logic Design
Computer Design

Instituto Tecnológico de Las Américas | SDQ, Dom. Rep.
Certificate Program in Artificial Intelligence

Jul. 2019 - Oct. 2019

EXPERIENCE

Florida International University | Miami, FL
Learning Assistant - Mastery Math Lab

- Providing **tutoring and academic support** to 100+ undergraduate students in Math courses.
- Improving student performance by 52% through evidence-based teaching techniques.
- Assisting with planning, developing, and implementing **departmental projects** to improve student learning.
- Facilitating problem-solving workshops and presentations in collaboration with faculty.
- Applying **educational software tools** to enhance learning outcomes.

Aug. 2025 - Dec. 2025

PROJECTS

MicroBit Maqueen – Line Following & Obstacle Avoidance Robot | MicroBit, MakeCode, TypeScript

- Collaborated in a team to develop an autonomous **line-following and obstacle-avoiding robot**.
- Implemented **motor control, ultrasonic sensing, and event-driven programming** for real-time navigation.

Temperature Monitoring and Feedback System | Arduino, C++

- Designed and programmed an Arduino-based **temperature monitoring system** using TMP36 sensor.
- Applied **analog-to-digital conversion (ADC)** and programmed LED indicators for **real-time visual feedback**.

Student Ride-Sharing Web App | React (TypeScript), Node.js/Express, Google Maps API

- **Led a 4-person team** to design and deliver a **full-stack ride-sharing prototype** at Florida's largest hackathon.
- Integrated **AI assistant** using Google Gemini API, via Google AI Studio, for **natural language ride creation and search**.
- Built a **secure login system** with Auth0 + .edu email verification, ensuring a **student-only network**.
- Developed **interactive maps and route planning** with the Google Maps Places & Directions APIs, **improving ride reliability**.

Real-Time Face Emotion Recognition | Python, ML

- Implemented deep learning to classify 7 human emotions in real time.
- Strengthened experience in **Python, machine learning, and computer vision**.

SKILLS

Programming: C, Python, Java, C++, SQL
Tools: MS Office, Arduino IDE, VS Code, Git/GitHub, MySQL
Languages: Spanish (Native), English (Fluent)