

Daniel A. Mestres Piñero

daniel.mestres97@gmail.com / daniel.mestres@upr.edu ❖ (787) 608-0099 ❖ Hatillo, PR

OBJECTIVE

To obtain a **Part-time / Full-time** position where I can utilize my knowledge to further grow and develop a company while simultaneously growing said knowledge and experience in the **Computer Engineering** field.

WORK EXPERIENCE

UPRM Vehicle and Terrain Department

August. 2016 - May. 2018

Work-Study Assistant

Mayaguez, PR

- Logging of expenses and monetary transactions to Excel sheets and proprietary software.
- Conducted regular audits to ensure the accuracy of file placement and to identify any misplaced or missing documents.

EDUCATION

University of Puerto Rico, Mayaguez Campus

June. 2023

BS, Computer Engineering

Mayaguez, PR

- 3.10 GPA
- Relevant Coursework: Project Management, Full-Stack Development, Embedded System Design

EXTRACURRICULAR EXPERIENCE

Email Service System

February. 2022 - May. 2022

Frontend / Backend Developer

Mayaguez, PR

- Designed and developed ER and table diagram
- Cooperatively designed and implemented the RESTful API backend in Python utilizing the Flask framework.
- Cooperatively designed and developed the website frontend in Javascript utilizing the React.js framework.

Bicycle Safety IoT System

February. 2022 - May. 2022

Project-lead / Software Developer

Mayaguez, PR

- Cooperatively researched and designed the system following the engineering design process.
- Cooperatively implemented the system in C utilizing the Arduino line of microcontrollers and auxiliary modules.

Asóciate Social Media System

January. 2023 - May. 2023

Backend Developer

Mayaguez, PR

- Cooperatively researched and designed the system following the engineering design process.
- Designed and developed ER and table diagrams.
- Cooperatively designed and developed the RESTful API backend in PHP utilizing the Laravel Framework.
- Deployed a locally hosted production-ready server utilizing Ubuntu Server 22 LTS and Apache.

SKILLS

- **Bilingual:** Fluent in Spanish and English.
- **Programming Languages:** C, C++, C#, Java, Python, PHP, HTML, CSS, Javascript, SQL, System Verilog.
- **Programming Frameworks:** Django, Laravel, Flask, React.js.
- **Microcontrollers:** MSP430, Arduino, ESP32, STM32.
- **Project Management:** Agile