

# Daniel A. Mestres Piñero

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## OBJECTIVE

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To obtain a **Full-time** position in either **Full-stack web development** or **Embedded software development**.

## WORK EXPERIENCE

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### 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

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### University of Puerto Rico, Mayaguez Campus

**June. 2023**

*BS, Computer Engineering*

*Mayaguez, PR*

- 3.10 General GPA / 3.06 Specialty GPA.
- Relevant Coursework: Project Management, Full-Stack Software Development, Embedded System Design.

## EXTRACURRICULAR EXPERIENCE

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### Email Service System

**February. 2022 - May. 2022**

*Frontend / Backend Developer*

*Mayaguez, PR*

- Designed and developed relevant backend system diagrams such as ER and table diagrams.
- 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 relevant backend system diagrams such as 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

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- **Bilingual:** Spanish and English.
- **Programming Languages:** C, C++, C#, Java, Python, PHP, HTML, CSS, Javascript, SQL, Verilog.
- **Programming Frameworks:** Django, Laravel, Flask, React.js, React Native.
- **DBMS:** MySQL, MariaDB, PostgreSQL, SQLite.
- **Microcontrollers:** MSP430, Arduino, ESP32, STM32.
- **Project Management:** Scrum, Agile.
- **Other Relevant Skills:** Excel, AutoCAD, LTspice, CAD 3D modeling.