Daniel A. Mestres Piñero

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OBJECTIVE

To obtain a **Part-time / Full-time** position to utilize my experience in the **Computer Engineering** field to contribute to a company and grow professionally.

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 Software 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:** Spanish and English.
- **Programming Languages:** C, C++, C#, Java, Python, PHP, HTML, CSS, Javascript, SQL, SystemVerilog.
- **Programming Frameworks:** Django, Laravel, Flask, React.js.
- **DBMS:** MySQL, MariaDB, PostgreSQL, SQLite.
- **Microcontrollers:** MSP430, Arduino, ESP32, STM32.
- **Project Management:** Scrum, Agile.