

# Javier J. Melendez De Miranda

75 Jan Ln, Georgetown, TX, 78626 Phone:939-232-2989

javierjmelendezdemiranda@gmail.com

## EDUCATION

---

Bachelor of Science **Electrical Engineering** | **Polytechnic University of Puerto Rico**, August 2020- May 2023

- Concentration: **Power Electronics / Renewable Energy**
- GPA: **3.45/4.00**

## EXPERIENCE

---

**Software Engineer** 🏢 **General Motors** | **Austin, T.X** | **October 2022-Present**

- Developed and maintained Full-Stack manufacturing APPs using Java, Node.js, React, JavaScript, SQL, and Python.
- Test and ensure high quality code implementing Automation testing.
- Automated interactions with GM's manufacturing APP through Python "Bot" mimicking operator actions and configuring database.
- Documented [process, UML diagrams, and... (more specific)] in a comprehensive "App Manual" to ensure continuity during project transition (to X team).

**Electrical Engineer Assistant** 🏢 **Edison Energy** | **Guaynabo, P. R** | **February 2022-August 2022**

- Conducted site visits to collect field data and performed load analysis to determine energy requirements for proposed systems.
- Designed renewable energy systems, including schematic design and installation guidance, ensuring compliance with technical and legal standards.
- Analyzed the types of power loads, storage, and control components to ensure high quality and reliable designs.

**Efficient Analysis and Optimization** 🏢 **Jetson (StartUp)** | **Hato Rey, P. R** | **October 2020-2021**

- Managed team of 6 warehouse fulfillment employees and provided operational training to ensure on-time delivery of online order goods.
- Quality and validation for PO, receiving and dispatching merchandise.
- Analyzed daily operations data to identify process optimizations.

**Manufacturing and Supply Chain Intern** 🏢 **General Electric Baker Hughes** | **Billerica, MA** | **Summer 2019**

- Developed high voltage test fixture and quality check documentation.
- Analyzed operator machine interface by data collection resulting in improved resource utilization.

## SKILLS

---

### Personal

- Bilingual (Spanish & English), Excellent communication skills, Leadership, Teamwork, Fast Learner, Innovator, Autodidact, Hard Worker

### Technical

- **C ++, Java, JavaScript, React**, Node.js, SpringBoot, **Python**, SQL, **Pyside6**, UML, LabVIEW (core 1), Fusion 360 , MATLAB, PowerWorld, **HelioScope**, **PLC**(Basic), VISIO, Simulink, 3D Printing, **Robotics(9years)**, QA, Agile, DBeaver, **CAD**, Debug, , Power Flow, Power Circuit Design