

## Johan M. Rosario

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### Education

**Pontificia Universidad Católica Madre y Maestra** Santiago de los Caballeros, Dominican Republic  
Bachelor of Science in Electrical Engineering - Power Systems September 2021

GPA 3.2

- Graduated *cum laude*.
  - Capstone Project: Planned, installed, and optimized a hybrid solar and wind power system for the isolated area of (Janico). Our team's successful efforts will continue to power 1,168 kWh per year.
  - Relevant Coursework: Design Programmable Logic Controller (PLC) based SCADA control panels, C++ programming (Arduino), PCB design and development, electrical design for LV and MV, designing and simulation of a hydroelectric on RETScreen, control logic design for starting electric motors, power electronics, electric power transmission lines design, solar panels maintenance and operation, solar design software including PVSyst and AutoCAD.
  - Dean's List 8x.
  - Member of Association of Political Ideas.
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### Professional Experience

**QGB ENGINEERS SRL** Santiago de los Caballeros, Dominican Republic  
Project Supervisor October 2021 – January 2022

- Supervised and installed \$3M+ in projects including generators, transformers, electrical boxes, and cables of three different projects over the country.
- Measured and tested to ensure the proper operation and safety of the hardware according to the National Electrical Code (NEC).
- Coordinated the electricians schedule to get further progress at work following the laws described in the labor code of the Dominican Republic.
- Created a best way to work with budgets and inventory using a share spread sheet online, thus achieving each can work on a different item of the document at the same time.
- Planned and facilitated negotiations (liability) between customers and our company, assuring less losses in capital.

**ENESTAR RENEWABLE ENERGY SRL** Santiago de los Caballeros, Dominican Republic  
Electrical Design Engineer February 2021 – July 2021

- Designed and reviewed electrical plans for solar panels, including where to place them, which inclination and what direction (10° south according to the solar chart of the country).
  - Selected and classified the panels, inverters, and solar tools according to the brand, power, performance, size, and price. Thus, make the perfect choice that fit the customer's needs.
  - Managed the maintenance of equipment already in use and installed.
  - Delivered the plans to the electric power corporation of the city for projects connected to the main grid, getting the approval of these.
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### Technical Skills

**Technical:** AutoCAD, MATLAB, Rockwell Activation (PLC), PVSyst, Multisim, Proteus, EAGLE PCB DESIGNING, Arduino, RETScreen, Microsoft Office.

**Languages:** Fluent- Spanish, Advanced- English

**Interests:** Reading up on the latest in renewable energies, Boys Scouts of America, baseball enthusiastic, and cooking.