

Nelson Soto Méndez

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OBJECTIVE: Seeking a challenging professional opportunity that will allow me to work for a progressive organization that provides the best opportunities to grow and utilize my potential to the fullest to achieve the organization's goal while achieving my personal goals.

EDUCATION: **University of Puerto Rico, Mayagüez, Puerto Rico**
 Bachelor of Science in Electrical Engineering
 GPA 3.20/4.0 Expected Graduation Date: December 2018

RELEVANT COURSEWORK:

- Electronics
- Algorithms & Computer Programming
- Logic Circuits
- Electrical Systems Analysis
- Electromagnetism
- Engineering Mechanics
- Numerical Methods (MatLab)
- Material science for EE

WORK EXPERIENCE:

INROADS / Harris Corporation (Palm Bay, FL) Digital Electronics Engineer Intern May 2017 – Present

- Selected candidate for INROADS program from a total of 13,000 students throughout United States and Puerto Rico.
- Design block diagram schematics for overview of digital systems regarding classified projects.
- Provide recommendations for new technical implementations based on research, calculations and study.

Roche Operations Ltd. (Ponce, PR) Infrastructure Engineer Intern January 2017 – May 2017

- Identify and label overall plant's electrical circuits. A total of 56 panels and 1,432 breakers were identified.
- Implementation of LOTO procedures to 93 predictive maintenance machines and equipment including air units, chillers, pumps, exhaust fans and generators.
- Identify and optimize plant's exterior lighting for automatic on/off timer switch purposes. Circuits reduction from 25 to 21 after analysis.
- Contributions to Roche's Arc Flash and LOTO policies.

PROJECTS/RESEARCH:

Solar Energy Research Racing Team (SERRT) Wiring Team Member August 2015 – Present

- Conduct research for efficient alternatives to use solar energy as a primary electrical source.
- Design and manufacture of a new solar vehicle that competed in the Formula Sun Grand Prix in 2017.
- Prepare monthly presentations about work progress for professors, companies and fairs.
- Implement new technologies or improve already used systems to provide efficiency and organization.
- Provide calculations, schematics and drawings created by design programs such as AutoCAD, Visio and others.
- Troubleshoot old vehicle daily.

EXTRACURRICULAR ACTIVITIES:

- **Collegiate Hosts Program (*Programa de Anfitriones Colegiales*) August 2016 -Present**
- **Mathematics Mentor at University Center for Access (CUA) January 2015-December 2016**

TECHNICAL/NON-TECHNICAL SKILLS

- Proficient in Microsoft Office Programs (Word, Excel, Power Point, Visio).
- Basic knowledge in Matlab, LTSpice, AutoCAD, AutoCAD electrical, C++ and Minitab.
- Basic knowledge in the use and application of mechanical and electrical tools.
- Fluently communication, oral and written skills in English and Spanish.