

# RICARDO MALDONADO

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## HIGHLIGHTS OF QUALIFICATIONS & SKILLS SUMMARY

**Objective:** Seeking a career in Electrical Engineering field

- Bilingual-fluent in English and Spanish
- Honorably discharged U.S. military veteran with inactive DOD Top Secret Clearance
- OSHA 10h Certified
- First Aid CPR AED Certified

## EXPERIENCE

**March 2014 – Present**

**Leidos/Distribution Engineer**

**Framingham, MA**

- Responsible for design of distribution systems across New York and Massachusetts using National Grid's GIS and STORMS applications.
- Experienced in 7.62kV – 23.9kV grounded wye and 4.8kV delta systems
- Familiar with the National Electric Safety Code (NESC)
- Managed a team of 4 engineers on a Solar DG Connectivity project of approx. 18MW on behalf of National Grid to include budget, documentation, permitting, petition meetings, and coordination with local engineers.
- Managed 4 projects on behalf of National Grid to include budget, documentation, permitting and project meetings.
- Familiar with Distribution conversion projects, double circuit construction projects and general pole maintenance projects rated for both Grade C & Grade B construction.

**Aug 2013 – March 2014**

**Brock Solutions/Controls Systems Engineer**

**Boston, MA**

- Write, update, and maintain computer programs or software packages to handle specific jobs such as tracking luggage, storing or retrieving data, and controlling other equipment.
- Consulted with managerial, engineering, and technical personnel to clarify program intent, identify problems, and suggest changes.
- Programmed control systems such as PLC's, PC's, servo drives, and other more specialized controllers, HMI's, vision and data acquisition systems using RS Logix 5000 software.
- Coded and programmed HMI systems (Human Machine Interface) which tracked alarms and could be used to update system parameters.
- Read through electrical drawings to develop code for software programs.
- Implemented current baggage handling system located at Boston Logan's Terminal B (American Airlines)

**Jun 2013- Aug 2013**

**JMP Engineering/Controls Specialist/Intern**

**San Antonio, TX**

- Created electrical drawings using AutoCad 2012 software
- Trouble shoot PLC (Programmable Logic Controller) panels
- Used relays, jumper wires, function generator, and multimeter to configure circuits
- Completed RS Logix 5000 training program

**Dec 2009- Jan 2012**

**Progressive Engineering Service/Welder**

**Bulverde, TX**

- Read and interpreted schematic drawings, diagrams, blueprints, specifications, work orders, and reports to determine materials requirements and assembly instructions. Improved processes and quality assurance.
- Set up and operate fabricating machines, such as MIG, TIG, and Stick welding machines, Plasma cutter, grinders, drill presses, fork lifts, and otherwise form and assemble metal components.

**Aug 2006-May 2008 U.S. Marine Corps Security Guard/Recreation Director**

**U.S. Embassy Amman, Jordan**

- Supervised 6 Marines and coordinated their work activities. Assigned duties, training, coaching, assessing performance, and ensuring compliance with regulations and policies.

- Communication liaison with Military officials, Ambassadors, & Foreign Ministers
- Handled classified material on a daily basis.
- Prepared and maintained recreation budget valued at \$50,000.
- Organized 232<sup>nd</sup> Marine Corps Birthday Ball.

**Aug 2005- July 2006 U.S.M.C Marine Security Guard/Training Supervisor U.S. Embassy Madrid, Spain**

- Supervised and coordinated the work activities of 6 Marines, such as training and assigning work duties
- Handled classified material on a daily basis
- Evaluated instructor performance and effectiveness of training programs, providing recommendations for process and performance improvement
- Responsible for properly facilitating, executing, and recording the Marine's training plan/schedule
- Analyze training needs to develop new training programs or modify and improve existing programs

**Jan 2003- Jan 2005 U.S.M.C. Welder/Section Leader Jacksonville, North Carolina**

- Supervision of 5 Marines in daily operations
- Ensured section was in compliance with all applicable orders and regulations set forth by U.S. Marine Corps.
- Performed QAQC on structures to identify cause of errors or defects.
- Performed preventive maintenance on equipment valued at over \$10 million
- Repaired equipment using welding techniques such as: MIG Welding, Stick Welding and TIG Welding.

### **EDUCATION**

**University of Texas at San Antonio**  
Bachelor of Science (BS) in Electrical Engineering

#### **U.S. Marine Corps – Specialized Training & Certifications**

\*Basic Metal Worker School at Aberdeen Proving Grounds, MD \*Corporal's Leadership Course \*First Aid

#### **Familiar Computer software skills:**

GIS, STORMS, Pole Foreman, PLS CAD, NESC, AutoCad, Microsoft Office, VM Ware, Allen Bradley, Factory Talk, HMI (Human Machine Interface), PLC (Programmable Logic Controllers)