

# Luis E Santiago Hernández

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## Objective:

To obtain an opportunity and experience as Internships or COOPs in software engineering, as web applications and designs, Android or OS applications designs, security systems, and Embedded Systems especially with microprocessors and microcontrollers.

## Education:

University of Puerto Rico, Mayagüez Campus  
Expected Graduation Date: **May 2017**  
B.S. Computer Engineering

## Relevant Courses:

- Advance Programming Java Language
- Introduction to Embedded Systems
- Algorithm C/C++ Languages Basics
- HTML & CSS Basics
- Certificate for IBM Bluemix Workshop
- Participated on Hackathon on UPRM Sept-2015
- Currently in Data Structures and Computer Architecture and Organization

## Programming Skills and Computer Programs

- C/C++ Language
- Java
- IAR, Assembly Language for Embedded Systems
- Basics on HTML and CSS
- Learning Android and OS Applications
- Learning Python

## Skills:

- Good written, verbal and presentation skills.
- Good use of originality - always try to use unexpected decisions to better benefits.
- Planning and organizing - Refined planning and organizational skills that balance work, team support and responsibilities in a timely and professional manner.
- Currently reinforcing English.
- Currently learning Frances.

## Experience:

### **IAP- Fuzzy Logic Research Project**

***Aug 2015 - Present***

With **Professor Dr. Rogelio Palomera**. Rebuild an old Fuzzy Logic project on the MSP430 changing the method of Look-up tables for Functions and using the intern ADC instead an extern ADC. With the goal of implement this Fuzzy Logic project on the FRDM-KL25Z.

### **IAP – Automation of the Off-The-Grid X-Band Weather Radars**

***Aug 2014 – May 2015***

With Professor **Dra. Leyda Leon Colón and Project CASA**. I help as a volunteer developing and integrate a new system to the current system that will automated OTG radar network operation and that will provide two operation modes: Surveillance mode and Validation mode.

### **Family's Farm**

***2004 – Present***

Administrator, Worker and Salesperson

Objectives and Duties: Maintain farm production, find the best benefits, take hard decisions, making the best treatment keeping the customer satisfied and be original. Participate in Federal programs like Farm Service to obtain a better productions and sales. Here I learn the Teamwork and Leadership and make better decisions for the wellness of our business.

## Activities:

Vice-President on EMC (“Electromagnetic Compatibility Society”) from IEEE at UPR Mayaguez Campus.  
Jan 2015 – Dec 2015