

Héctor J. Crespo-Febles

G-3 Calle I Nueva Vida
El Tuque, Ponce, PR 00728

(939)287-5722
hector.crespo5@upr.edu



Objective

To obtain an opportunity to polish acquired knowledge and skills to develop new technologies and techniques, gain experiences and improve humanity lifestyle.

Education

University of Puerto Rico at Mayaguez

B.S. Electric Engineer

December 2017 (expected)

GPA – **3.59** Mayor / **3.71** General

Bernardino Cordero Vocational School

Certification on Architectural Drafting

May 2012

Research Experience

SAE Quadcopter – Mechanical Engineer Selected Topics (INME-5997)

Electronics Chief

Jan 2015 – May 2016

Interdisciplinary research on Unmanned Aerial Vehicles (UAV). The team goal is to develop an autonomous UAV model capable of perform photogrammetric applications.

- Analyze the behavior of a UAV components
- Component selection matrices
- Energy consumption and flight time models

Honors & Activities

Tau Beta Pi Honor Society Member

2016 – Present

Vice-President of Activities

- Responsible for the Project Reports, Newsletter and chapter Work Plan
- To schedule and organization directive meetings and activities.

Eta Kappa Nu Honor Society Member

2015 – Present

Radio Frequency Spectrum Management Workshop

May 2016

Tau Beta Pi Engineering Futures Sessions

2015

Team Chartering, Analytical Problem Solving, Effective Presentation Skills

AEFIA Membership

2013 – 2014

UPRP Dean List

2012 – 2014

Coursework

Microcontrollers and Embedded Syst.

Electronics II (Current)

Digital Electronics

Analog Integrated Circ. Design (Current)

Ethic in Engineering

Computer Architecture & Org. (Current)

Foundations of Computing

Electric Syst. Analysis III (Current)

Class Projects

- Battleship Game: MSP430 microcontroller and 16x2 LCD screen.
- TTL vs CMOS analysis: PSPICE to compare speed, voltages and power consumption.

Skills

Arduino, Assembly and C/C++

MS Office (Excel, Word, Power Point)

PSPICE circuit simulation

Photo and video editing

Linux Virtual Machines

Languages: Spanish, English and Italian