

Elias A. Figueroa

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EDUCATION

Florida International University

Expected Graduation: May 2017

- Candidate for B.S. in Computer Engineering
 - Concentrations: Data System Software, Embedded Systems, Network Engineering
- Cumulative 3.2 GPA

Miami Coral Park Senior High School

August 2009 - May 2013

- Math Honors Society
- Engineering Magnet Program
- FLAME Dual Enrollment Program

ACTIVITIES

Physics Learning Assistant

August – December 2015

- Tutoring students in Physics II
- Guiding students with Physics II Labs

IEEE FIU-Student Branch

2015 - 2016

- A student organization designed to expand Engineering skills by encouraging/supporting student engineering projects and competing in nationwide events.
- Worked on the Navigation System of a competition robot (SoutheastCon 2016) which included working with sensors, electronics and programming with Arduino/Raspberry Pi

Technical Workshops

2013 - 2017

- Attended several workshops over College Career to expand my knowledge in topics that interest me.
- Robotics/Arduino/Raspberry Pi
- Web Development
- Mobile App Development

iOS Development

- Practicing iOS development and gaining experience in Xcode, Objective-C and Swift for building and designing iOS applications.
- Engineering Economics Calculator app for calculating compound and effective interest under engineering terms.
- SchoolBuddy app designed to assist students in keeping track of important information and alerts for better school success.

SKILLS

Languages

- English – Native, Spanish – Native

Programming

- Strong experience in C/C++ and Java
- Intermediate experience with Objective-C, Swift, Bash
- Basic knowledge in C#, VHDL, Verilog, MATLAB, Mathematica
- Basic knowledge in HTML/CSS, JavaScript
- Intermediate experience in the Linux/Unix environment

Software

- NI Multisim, PSpice, Xilinx ISE, Xilinx Platform Studio, Xcode, AutoCAD, SolidWorks, SketchUp, Unity, Unreal Engine, Microsoft Office