

# Raul Barahona

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3700 SW 27th St. Apt#1B308 Gainesville, FL 32608 | (954)-822-6621 | barahonaraul@ufl.edu

## Objective

- Seeking a Summer Internship in software development, specifically in test-driven development and quality assurance

## Education

**BACHELOR OF SCIENCE IN COMPUTER ENGINEERING | UNIVERSITY OF FLORIDA |      DECEMBER 2016**

- Major: Computer Engineering Software
- GPA: 3.90/4.00

### RELATED COURSEWORK

- Programming Fundamentals I and II (JAVA)
- Discrete Mathematics and Structures
- Data-Structures and Algorithms (C++)
- Digital Logic (Quartus / VHDL)
- [CURRENT] Signals and Systems (MATLAB)

## Experience

**TEACHING ASSISTANT| (PROGRAMMING FUNDAMENTALS I) |      FALL 2014**

- Lecture two discussion sessions per week ( about 40 students)
- Explain complex technical and fundamental programming concepts to students
- Grade papers, plan lectures/prepare examples, coordinate with professor

## Projects

### SOFTWARE

- Developed a bus route simulator that displays bus routes and calculates arrival times (JAVA)
- Created an Object-oriented version of the classic Atari video game, Breakout (JAVA)

### HARDWARE

- Developed a simple 4-bit EEPROM CPU, implemented it on a breadboard (Quartus / VHDL)

## Programming Languages/Frameworks

- Java (Highly Proficient), C++/C (Intermediate), MATLAB(Intermediate), VHDL(Intermediate), MIPS(Intermediate)

## Awards and Affiliations

- University of Florida Dean's List (Spring 2014)
- Bright Futures Florida Academic Scholar (2012-Current)
- Northeast High School 2012 Salutatorian (June 2012)
- Veterans of Foreign Wars of the United States JROTC Citation and Medal Award (2012)
- NSCS (National Society of Collegiate Scholars, 2012-Current)

## LANGUAGES

- Bilingual- Fluent Spanish Speaker, translated for medical personnel during a mission trip in Honduras