CHRISTIAN O. MONTES TIRADO

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Objective

To participate in an Internship or Coop to put in practice my knowledge and acquire new experiences and further develop my abilities.

Education

- **University of Puerto Rico, Mayagüez Campus**   **2011-Present**
  Bachelor of Science in **Computer Engineering**
  GPA: 3.56/4.0
  Expected graduation date: **May 2015**

  - **Relevant Courses:** Foundations of Computing, Advance Programming (JAVA), Data Structures, Programming Languages, Microprocessors, Electrical System Analysis, Electronics, and Logic Circuits.
  - **Current Courses:** Database Systems, Operating Systems, and Thermodynamics.

- **University of Puerto Rico, Ponce Campus** (transfer)   **2009-2011**
  Bachelor of Science in Computer Engineering

Experience

- **Research Assistant** at **University of Puerto Rico at Mayaguez**
  Project: **Biomedical Imaging Acceleration Testbed (BIAT)**   **Aug 2013 - Present**
  - Working in the development of a Hyperspectral Image Detection library to be used for cancerous cell detection.
  - In this project we are using the C language in conjunction with the CUDA library for implementing different mathematical functions on parallel computing.

  Project: **Electromagnetic Computational Simulator**   **Spring 2013**
  - Worked on the development of an electromagnetic computational simulation library for Conformal Antenna Design using CUDA.
  - Researched and implemented mathematical operations of matrices in CUDA using C language.

- **Mathematics Tutor**, University of Puerto Rico, Ponce Campus
  - Program Name: "Proyecto Maratón Académico Vocacional de Verano"   **Summer 2011**
  - Program Name: "Proyecto Título V"   **Spring 2011**

University Projects

- **Number Puzzle Game: (Spring 2012)** Worked in pair to design and implement a game similar to the sliding puzzle. (Java)
- **Shuttle Beep: (Spring 2012)** Worked in pair to implement a game similar to Battleship game. (Java)
- **Algebra and Calculus with Polynomials: (Fall 2012)** Implemented general math operations using linked lists. (Java)
- **Python Scanner: (Spring 2013)** Designed and implemented a lexical analyzer for Python using Java to compare it with a lexical analyzer implemented in Flex.

Skills

- **Languages:**
  - Proficient in: Java, C.
  - Familiar with: CUDA, Python, Javascript and HTML/CSS.
- **Software:** Linux, Mac OS X, Windows XP/7/8, MS Office Suite, Eclipse, and Aptana Studio
- Proficiency in **English** and **Spanish**.

Extracurricular Activities

- Tau Beta Pi – Engineering Honor Society (2013-Present)
- Golden Key International Honor Society (2013-Present)
- IEEE Computer Society (2012-Present)
- Association for Computing Machinery (2013-Present)