Carlos Ramirez

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Current address:
111 Catherine Street
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Objective

To obtain a technical full-time position in the fields of finance and technology which challenges my critical thinking and problem solving skills, and to work for a company that supports innovation and teamwork.

Education

Cornell University, College of Arts and Sciences, Ithaca, NY **Expected May 2011**

Bachelors of Arts in Physics and Bachelors of Arts in Economics

Concentrations in Theoretical Physics and Mathematical Economics
GPA: 3.10

Relevant Work Experience

Research Assistant, Miami, FL **4/2006 - Present**

With Professor Kenneth Furton

Develop and maintain standalone programs and Excel VBA Macros to aid in data analysis of Gas Chromatograph data for the investigation of the chemical composition of human scent. Establish the legitimacy of the identification of suspects through trained canines. Develop and administer a client/server solution to the distribution and update of these programs, as well as provide technical support for their users.

Cornell University Physics Department, Ithaca, NY **8/2010 - Present**

Teaching Assistant/Tutor for Introductory Physics

Provide assistance and tutoring to students taking PHYS 1101: General Physics I, an auto-tutorial introductory physics seminar-style course covering first-semester physics for non-major students.

Cornell University Learning Skills Center, Ithaca, NY **8/2007 – 12/2008**

Tutor for Multiple Introductory Physics Courses

Provide tutoring to students taking any of the college's first two semester introductory physics courses, both non-major and major sequences, covering Mechanics, Electricity and Magnetism, Waves, Optics and Thermodynamics.

Research Assistant, Ithaca, NY **9/2006 – 10/2009**

With Professor Tomas Arias

Assisted in system administration of a 48-node fully open-source computational supercomputer and building of a second 24-node system. Began work on a library of pseudopotential wavefunctions for various metallic elements in order to calculate macroscopic properties of crystalline structures using density-functional theory.

Activities

Cornell Glowsticking Club, *Vice President and Performance Choreographer* (Spring 2007 – Spring 2010)

Secured college funding for club needs and coordinated music choices and transitions for individual performances.

Cornell Cubing Club (C^3), *Member* (Fall 2006 - Spring 2007), *Vice President* (Fall 2007 – Spring 2008), *President* (Fall 2008)

Assisted in organization of two internationally recognized Rubik's Cube Competitions and fostered the practice of speedcubing, the art of solving Rubik's and Rubik-like Puzzle Cubes as fast as possible.

Skills

Familiarity with Office Applications, Windows, Mac OS X, GNU/Linux and other Unix Systems
Programming Experience: Java, Excel VBA, Bash Scripting, some Python
Languages: Spanish