

## LUIS F. COLON

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### COMPUTER PROFICIENCIES

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- Languages: C++/STL, Java/J2EE, JSP, PHP, Perl, DHTML, CSS, AJAX, JavaScript
- Programming: Object Oriented, Software Lifecycle
- Web Development: Web Standards, SEO, User Interfaces, User Experience
- Development Tools: ClearQuest, Rational Rose, Adobe Photoshop
- Operating Systems: Windows, UNIX/Solaris

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### EXPERIENCE

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Harris Corporation

Melbourne, FL

Software Engineer Level 2 (Inactive Top Secret Clearance)

Jan 2004 – Current

- Redesigned user interface and modernized web technologies for a legacy web application used to order complex products. Part of a 2 person team given 2 months to design, code, and test. Enhanced user experience and minimized human error. Finished product was cross browser and cross platform compatible. Traveled to customer facility to demonstrate updated product.
- Designed and developed a security feature for an online web application that required proper authorization before sensitive data could be accessed.
- Developed a configurable Perl script to generate object oriented C++ code and Imakefiles used as a framework for creating new web page CGI's utilizing a company specific MCV design pattern. Reduced future coding time to seconds.
- Utilized OpenSSL C++ libraries and Java J2EE SSL to create secure socket connections between a C++ server and a Java Applet client.
- Utilized the C++/STL multimap to store and sort information from a flat file. The customer requested the ability to sort the information from a flat file via a web display and wanted the ability to select which portion of the information to sort on. The multimap key was used as the sorting mechanism and the multimap was dynamically created accordingly. A custom C++ container class was used as the map value, with each data member being a display element for the resulting webpage.
- Secured an iPlanet Web Server to run over HTTPS using openssl.
- Developed a Perl script that generated an HTML document based on information retrieved from a ClearQuest database. Utilized CQPerl libraries to create database queries.
- Implemented a crontab driven PL/SQL script that queries several database tables and consolidates the results into simpler, faster to query database tables used to create smart forms for a web based ordering system.
- Created graphics, user interfaces, and icons for several company programs.
- Interviewed candidates, performed phone screens, and participated in recruiting.
- Mentored team members on current web technologies.

Jonco Medical & Enterprises  
Network Administrator, Graphic Design, Webmaster

Bronson, FL  
Jan 1998 - Dec 2003

- Designed company advertisements used in various medical publications.
- Created, maintained and updated company website to feature an online product catalogue with a custom database driven CMS. This converted the company from a medical equipment repair shop to an online sales center for medical products.
- Wrote instruction manuals on computer maintenance.

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## EDUCATION

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University of Florida  
Bachelor of Science in Computer Science, December 2003

Gainesville, FL  
GPA 3.40 / 4.00

Broward Community College  
Associate of Arts in Computer Science, December 2001

Davie, FL  
GPA 3.79 / 4.00

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## AWARDS

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- Toastmasters SpeakeZ Club 2380
- 1990 First Place Winner of the County, State, National, & International Film Festival for the production of an 8mm short film, "The Little Mushroom". Featured on the front page of The Maryland Gazette Newspaper.