

Javier Figueroa

14280 NW 18th PL
Pembroke Pines, Florida, 33028
(954) - 815 6032
figueroa7@gmail.com

Objective

To obtain an internship position that will enhance education and provide an opportunity to acquire experience in the field.

Education

University of Miami, Coral Gables, Florida

Bachelor of Science in Computer Science, minor in Mathematics. December 2008

Major GPA 3.6

Experience

Research Scientist, Florida International University, Miami, FL May 2007 - Present

- Work on modeling the parallel computing behavior on a grid environment of the Weather Research and Forecasting software, research funded by NSF and IBM
- Document the Weather Research and Forecasting FORTRAN source code for future researchers
- Benchmark the WRF software on linux based cluster computers and develop Perl based scripts for future semi automatic benchmarks on other cluster architectures

System Administrator, Caterpillar Inc., Miami, FL May 2006 - August 2006

- Managed Windows 2003 Servers with almost two hundred users and computers
- Helped the company save almost \$6000 per month in printing costs by being part of the new design of printer allocation Six Sigma team project, based on research and metrics of the company
- Provided support to company users with networking and operating system problems, acquiring high satisfaction rating based on company metrics

Recent Publications

- A Modeling Approach for Estimating Execution Time of Long-Running Scientific Applications. Fifth High-Performance Grid Computing Workshop (HPGC) in conjunction with International Parallel and Distributed Processing Symposium (IPDPS). Miami, Florida, U.S.A., April 2008.
- Transparent Grid Enablement of Weather Research and Forecasting. Mardi Gras Conference 2008 - workshop on Grid-Enabling Applications. Louisiana State University, U.S.A., January 2008
- Transparent grid enablement of WRF using a profiling, code inspection, and modeling approach. In Poster Presented in the 5th Latin American Grid (LA Grid) Summit, The IBM T.J. Watson Research Center, NY, U.S.A., September 2007
- The Latin American (LA) grid weather research and forecast (WRF) portal. In Poster Presented in the 5th Latin American Grid (LA Grid) Summit, The IBM T.J. Watson Research Center, NY, U.S.A., September 2007

Certifications & Professional Affiliations

- MCP, Microsoft Certified Professional
- CompTIA A+ Computer Repair Technician
- Association for Computing Machinery (ACM) and IEEE

Skills

- Windows and Linux
- Java/J2EE, Perl, C++, C, JavaScript, Bash, Shell, PHP and FORTRAN
- Fluent in Spanish