Jose Pablo Alberto Andreotti

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Personal Information

Born in Santa Cruz, Argentina, 08/10/1982.

Nationality, Argentinian/Italian.

Address, 552, Emilio Castelar Street, Córdoba. Argentina.

Education

Postgraduate Specialization in Distributed Systems
Famaf, University of Córdoba, 2009.
Average Grade: 8.87/10.
Final Project: High Scalable Scientific Computing using Hadoop, found here.

Computer Engineer
Engineering Faculty, University of Córdoba, 2007.
Average Grade: 8.14/10.
Dissertation: Building a dual core JVM for embedded realtime systems, found here.

High School at Colegio Corazón de María
Management Oriented School, 2000.
Average Grade: 8.22/10.

Thesis
JOP(Java Optimizad Processor) is a hardware implementation of the JVM. My thesis comprises the design and implementation of a multiprocessor JVM using JOP as a building block.

Programming Experience

▷ Develpment of embedded Software in C/C++, and Java.
▷ Maintenance of Linux Software in C/C++.
▷ Experience on mobile platforms such as Android and iOS.
▷ Test Development in Bash/Perl/Python/Java.
▷ Notions of Web Services, XML, XML schema, XSLT.
▷ Object Oriented Design Concepts.
▷ Experience in performance optimization.
▷ Experience in debbugging distributed applications.
▷ Deep knowledge of computer architectures, and assembly programming.

Other Skills

▷ Ability to lead others to achieve complex and interdependent tasks.
▷ Ability to learn new technologies.
▷ Software Architecture.
▷ Ability to cope with change, and to rapidly accommodate to new plans, and challenges.
▷ Good speaker, and with the ability to produce good quality technical documentation.
▷ Results orientation.

Postgraduate Courses Attended

▷ Machine Learning[1], Andrew Ng, Stanford University, first semester of 2012. Link here.
▷ High Performance Computing: Models, Methods and Means[2], first semester 2010.
▷ The Semantic Web, PhD Jorge Cardoso, SAP Research Germany, first semester of 2009.
▷ Introduction to Radar Signal Processing, Msc Oscar Bria, INVAP, second semester of 2009. Syllabus.
▷ Performance and Scaling in E-Commerce Systems WS, Alex Buchmann, second semester of 2008. Syllabus.

Professional Experience

Current	**Sr. Software Engineer at Intel.** **Member of the Computer Engineering Council at National University of Córdoba.**
Past	**Software Engineer at Nimbuzz.** **Software Engineer at Motorola Argentina** ▷ Development of embedded software in C/C++ for Cable Modem products. ▷ Test Development and execution for the Motorola NBBS platform. ▷ Development and maintenance of AdvancedTCA clusters running Linux. **Self-employed in Software Development and Maintenance** Since 2007. I worked in projects involving the optimization of scientific applications in multiprocessor systems. **Computer Architecture Laboratory, UNC** Research Internship, From March/2006 to October/2007. ▷ Optimization of Scientific programs over multiprocessor architectures and parallel programming with MPI, HPF and OpenMP. ▷ Testing of embedded systems for the biomedical industry. **Testing of the JOP processor and JDK** I worked during 2007 for Martin Schoeberl from Viena University of Technology, Austria. **Low level optimization of scientific programs** I worked for Gerardo Hillman from the Hydric Resources Laboratory of the National University of Cordoba at Argentina.

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[1]This is the online version of the course. I'm currently expecting my certificate of accomplishment.

[2]Unstructured Postgraduate, and Graduate Course, Fa.M.A.F. Sincronized with Prof. Thomas Sterling's CSC7600.

Publications

▷ Using JOP to build a chip multiprocessor JVM for embedded realtime systems. Annals of CACIC, 2007.
▷ Optimization of an hydrodynamical bidimensional model. link.

Honors and Awards

▷ Grant earned for the completion of the Thesis Project. Given by the Science Agency of Córdoba, 2006.
▷ Distinction to the best average grade. Given by the College of Engineering of Córdoba, 2007.

Languages

Spanish
▷ Native Spanish speaker.
German
▷ Currently attending the third year of a four year course in German at the School of Languages of the National University of Córdoba.
English
▷ TOEFL iBT. Outcome 110 out of 120, March 2008.
▷ First Certificate Examination grade B. Given by Cambridge University, 2000.
▷ Several courses attended from 1992 to 2000.
Italian
▷ Four years course at the School of Languages of the National University of Córdoba, 2008.
French
▷ One year course at "Alliance Française Córdoba", 2000.

Teaching Experience

Concurrent Programming
Computer engineering faculty, 2004.
Calculus Tutor
Electronic and Computer engineering faculty, 2003.

Conferences attended as a lecturer

ENIEF, Congress on Numerical Methods and their Applications, 2009.
Title: Optimization of an hydrodynamical bidimensional model.
Second Open Conferences in Computer Engineering, National University of Córdoba.
Title: Parallel Programming.
First Open Conferences in Computer Engineering, National University of Córdoba.
Title: A multiprocessor JVM based on JOP.
XIII Argentinian Congress on Computer Science
Article's Title: Using JOP to build a chip multiprocessor JVM for embedded real-time systems.

Hobbies

▷ Trekking.

▷ Amateur Guitar Player.

▷ Cooking and beer brewing.