

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.

Dissertation: Building a dual core JVM for embedded realtime systems, found [here](#).

Average Grade: 8.14/10.

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

- ▷ Development 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 debugging 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

- ▷ High Performance Computing: Models, Methods and Means¹, 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 <ul style="list-style-type: none">▷ 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 <p>Since 2007. I worked in projects involving the optimization of scientific applications in multiprocessor systems.</p> Computer Architecture Laboratory, UNC <p>Research Internship, From March/2006 to October/2007.</p> <ul style="list-style-type: none">▷ 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 <p>I worked during 2007 for Martin Schoeberl from Viena University of Technology, Austria.</p> Low level optimization of scientific programs <p>I worked for Gerardo Hillman from the Hydric Resources Laboratory of the National University of Cordoba at Argentina.</p>

¹Unstructured 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. ENIEF, 2009.

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 a second Level 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

- ▷ Currently attending a fourth level 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.