

## Jose Pablo Alberto Andreotti

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### Personal Information

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**Nationality**, Argentinian/Italian.

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

### Educational Experience

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#### 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.

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

### Additional Coursework

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- ▷ Image and video processing: From Mars to Hollywood with a stop at the hospital, Guillermo Sapiro, Duke University, first semester of 2013. [Link here](#).
- ▷ Digital Signal Processing, Paolo Prandoni and Martin Vetterli, Ecole Polytechnique Federale de Lausanne, first semester of 2013. [Link here](#).
- ▷ Machine Learning<sup>1</sup>, Andrew Ng, Stanford University, first semester of 2012. [Link here](#).
- ▷ High Performance Computing: Models, Methods and Means<sup>2</sup>, 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](#).

### Scholarships and Awards

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- ▷ Fulbright Master Scholarship. Given by the US Embassy in Buenos Aires and the Fulbright Comission.
- ▷ 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.

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<sup>1</sup>This is the online version of the course.

<sup>2</sup>Unstructured Postgraduate, and Graduate Course, Fa.M.A.F. Sincronized with Prof. Thomas Sterling's CSC7600.

## Professional Experience

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- 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.

## Publications

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

## Programming Experience

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- ▷ 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

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- ▷ 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.

## Languages

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### 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

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### Concurrent Programming

Computer engineering faculty, 2004.

### Calculus Tutor

Electronic and Computer engineering faculty, 2003.

## Conferences attended as a lecturer

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### 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

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- ▷ Trekking.
- ▷ Amateur Guitar Player.
- ▷ Cooking and beer brewing.