Education

Escuela Superior de Comercio "Manuel Belgrano" - UNC (Universidad Nacional de Córdoba)

Bachiller Orientado en Economía y Gestión de las Organizaciones y Técnico Básico en Gestión Organizacional, December 2002.

FaMAF (Facultad de Matemática, Astronomía y Física) - UNC (Universidad Nacional de Córdoba)

Analista en Computación (equivalent to BSc in Computer Science), December 2008.

Licenciatura en Ciencias de la Computación (equivalent to MSc in Computer Science), doing final semester present.

Honors and Awards

FaMAF GPGPU Computing Group
NVIDIA Professor Partner Funding Grants R+D in the area of HPC-GPGPU (High Performance Computing - General Purpose Graphical Processing Units) Scholarship, June 2009 – May 2010

Academic Experience

LatinHire
Mathematics Tutor   **April 2005 – December 2005**
Online mathematics tutor for American, Basic and High School, students.

FaMAF
Teacher   **March 2007 – February 2010**

Teaching Assistant.

- Algorithms and Data Structures II, Autumn 2007/2008 (Southern Hemisphere).
- Data Bases, Winter - Spring 2007/2008 (Southern Hemisphere).
- Introduction to Algorithms and Data Structures, Autumn 2009 (Southern Hemisphere).
- Algorithms and Data Structures I, Winter - Spring 2009 (Southern Hemisphere).

Professional Experience

Freelance
System Administrator   **October 2003 – Present**

- Maintenance of the computer network, setting up of the main server station with mail server and network user accounts and many clients with NFS and NIS under GNU/Linux Debian. Setting up of GNU/Linux Debian workstations. CEIMAF - FaMAF, *October 2003 – Present*
- Maintenance of computer servers with GNU/Linux, setting up servers for using WebDAV with LDAP authentication and Firewalls. *July 2006 – August 2006*
- Maintenance of the computer network, setting up of the main server with network user accounts and many clients with NFS and NIS. Setting up of GNU/Linux Ubuntu workstations. ADIUC, *October 2012 – Present*

System Administrator and Technology Consultant   **August 2013 – Present**
Setting up of GNU/Linux Ubuntu workstations. Setting up of TV recording and video processing server stations. Infoxel.

Menttes
Software Developer   **March 2007 – February 2008**
FLOSS developer for Menttes, building Plone/Zope products.

FaMAF GPGPU Computing Group
Intern   **June 2009 – May 2010**
Solving Astrophysics problems with Magnetohydrodynamics and geometry, using GPUs' parallel methods for accelerating the solutions to equations. Fellowship funded by NVIDIA Professor Partner Funding Grants.

System Administrator **February 2010 – June 2012**

Maintenance of server stations with GNU/Linux Debian used to develop and run CUDA applications. Installation and maintenance of the toolkit and compiler needed to build and run applications using CUDA technologies, and other development tools such as Bazaar, Subversion.

Intel

Intern **March 2011 – September 2012**

- Enhancement of a Virtual Application Store for passing messages between devices to synchronize downloads and installation of applications.
- Enhancement of a source code translation tool using LayerD framework for statically converting CUDA source code to OpenMP parallel source code.

Languages

English Studies

Language skills

Excellent performance of both spoken and written language. <u>1024 hours</u>.

Examinations

- P.E.T. - University of Cambridge.
- Fifth year final course exam - Facultad de Lenguas - Universidad Nacional de Córdoba.
- F.C.E. - University of Cambridge.

French Studies

Language skills

Reading comprehension course. <u>93 hours</u>.

Very good performance of written language, good performance of spoken language. <u>68 hours</u>.

Presentations and Talks

- *"Ubuntu guided installation"*, GrULiC 21st Installfest, September 2009.
- *"Ubuntu guided installation"*, GNU/Linux course, FaMAF, November 2009.
- *"Ubuntu guided installation"*, GrULiC 22nd Installfest, April 2010.
- *"Ubuntu guided installation"*, GrULiC 23rd Installfest, September 2010.
- *"Paralelizarás tu código por sobre todas las cosas"*, GPGPU CUDA MiniCourse, FaMAF, March 2012.
- *"Applications: Magnetohydrodynamics"*, GPGPU CUDA MiniCourse, FaMAF, March 2012.
- *"Ubuntu guided installation"*, FLISoL (Festival Latinoamericano de Instalación de Software Libre), April 2011.
- *"De 0 a CUDA en (30+45) "*, PEAGPGPU (Primer Escuela Argentina de GPGPU), May 2011.
- *"Introduction to CUDA"*, Technical Discussions, Intel ASDC, June 2011.
- *"Yo me lo sabía con pasteles"*, *"Ubuntu guided installation"* and *"Ubuntu baby steps"*, FLISoL, April 2012.
- *"Yo me lo sabía con pasteles"*, *"Ubuntu guided installation"* and *"Ubuntu baby steps"*, FLISoL, April 2013.
- *"Yo me lo sabía con pasteles"*, Huayra Installfest, Escuela Provincial "Sin Nombre", June 2013.
- *"Yo me lo sabía con pasteles"* and *"Huayra guided installation"*, Huayra Installfest for teachers, Escuela Provincial "Sin Nombre", July 2013.
- *"Yo me lo sabía con pasteles"* and *"Huayra guided installation and setup"*, Huayra Installfest, IES Simón Bolivar , September 2013.

Conference Assistance and Courses

- JAIIO (Jornadas Argentinas de Infromática e Investigación Operativa). FaMAF - September 2003, FaMAF - September 2013.
- PyDay (Python Day). UTN - August 2006, UTN - April 2010, UTN - April 2011, FaMAF - September 2012.
- Cryptography, by Dr. Daniel Penazzi. FaMAF - Spring 2007.
- High Performance Computing - Models, Methods and Means (CSC 7600), by Louisiana State University Computer Science Department. FaMAF - Spring 2009 (Northern Hemisphere).
- PyConAr (Python Conference Argentina). A communitarian conference about the Python programming language. UE Siglo 21 - October 2011.
- Android Bootcamp 101. Android workshop for beginners. FaMAF - April 2012.

o WHPC13 (Workshop on High Performance Computing). Second Argentinian meeting of HPC for Scientific Applications. FaMAF - May 2013.

AFFILIATIONS

GrULiC - Free Software User Group

Active member   **March 2004 – Present**

Member of a group dedicated to spread the use of Software Libre.

FaMAF GPGPU Computing Group

Fellow   **June 2009 – Present**

R+D in the area of HPC-GPGPU (High Performance Computing – General Purpose Graphical Processing Units)

LibreBase

Active member   **May 2013 – Present**

Member and founder of a group dedicated to spread Free Culture and Software (free as in "free speech").

COMPUTER SKILLS

o Programming: C (advanced), Python, CUDA, Django, HTML, CSS.
  - Python tools: iPython, Virtualenv.
o Documentation Languages: LaTeX, ReST.
o Miscellaneous Tools: Subversion (SVN), Git, and other VCS and DVCS Systems, Trac, rst2pdf.
o System Administrator: Network Administrator on GNU/Linux systems. Maintenance of local networks, set up of workstations, and web services, NFS, NIS, proxies, DNS servers. Set up of Trac connected to SVN and Apache servers.
o Operating Systems: GNU/Linux Debian, Ubuntu.