

Curriculum Vitæ

PERSONAL INFORMATION

Name Sebastian E. Ferreyra Pons
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Date of birth September 7, 1973
Place of birth Argentina
Citizenship Argentina, Canada
Languages English, Spanish, French
all written and spoken fluently

EDUCATION

1991-1992

Three terms of advanced courses in mathematics, computer science and physics at [S.U.N.Y. \(State University of New York\) at Stonybrook](#).

1989-1991

Grades 11 and 12 at Smithtown High School East, St. James, NY. Including elective college level courses on computer science, mathematics and analog and digital electronics.

1985-1989

Grades 7, 8, 9 and 10 at F.A.C.E. (Fine Arts Core Education), Montreal, Quebec, Canada. F.A.C.E. is a bilingual (English and French) school with academic orientation toward the arts.

1977-1984

Primary education in Spanish in Santiago del Estero, Argentina except 1982 finished in Flagler Elementary School, Miami, Florida.

EXPERIENCE

2010-Present / Wordpress Plugin Development

Consulting, custom plugin design and development for EnsembleWeb, a Canadian web site development company. [EnsembleWeb](#)

2008-Present / Graphic Design & Technical Consulting

Graphic design, CGI imaging, technical consulting & special purpose software development for Expressart, an advertising agency based in Santiago del Estero, Argentina. [Expressart](#)

2007 – 2008 / Team Leader & Software Development

Development of software tools for the human resources industry including design implementation and developer team coordination. The system, based on modern architectural design, provides a sophisticated desktop user interface but accesses distributed web services under the hood thus providing a complete user experience while still reaping the benefits of SOA (Service Oriented Architectures). Responsibilities included maintenance of the various servers running in the system, of the promotional web site and the authorship and maintenance of source code in Java, C# 2.0, HTML and SQL for software destined to run on Windows and Linux. [CandidateHunter International](#)

2007 / Project Management & Software Development

Managing a developer team in the design & implementation of a system for the automatic yearly classification and assignment of teaching positions in all provincial public schools. The current system, based on SQL Server 2005, features a web interface developed in ASP.NET for teachers to consult their standings and a desktop interface being developed in C# 3.5 and using LINQ for administrative purposes.

2006 - 2007 / Software Development

Development of sales/stock management software for a small fast-food startup opening various POS in Santiago del Estero. The system is based on the .NET 3.0 platform with source code in C# 3.0 taking advantage of Microsoft's new LINQ framework and language extensions.

2004 - 2005 / Website Content Editor

Front-page story editor for [JavaLobby.org](#), a website specializing in the Java developer community. The main responsibilities involve screening daily Java-

related news and writing small articles with the intent of generating in-depth discussions among the members of the Java community. These tasks require staying up-to-date in all Java industry developments.

2003 - 2006 / Project Management & Software Development

Funding and managing a 3-person team in the development of an object oriented database engine and its supporting developer and management tools for Microsoft's .NET environment and Sun's Java platform. The OODB is my design and is intended to support nearly orthogonal data-persistence facilities for data objects in these platforms. Features being developed include ACID transactions, multi-server distributed storage nodes and data versioning for the purposes of auditing and conflict-resolution. A distinguishing capability of the engine is its capacity of persisting instance identity as well as application data.

2002 - 2003 / Software Engineering

Development of software architecture and components for internet connected multi-user server providing multi-company unified facilities for bus seat availability, reservation and ticket sale for nation-wide remote terminals. This system provides a graphical display over a map and when there is no direct service between two geographic points, provides possible connection points based on user-selected time constraints. 2-tier client/server architecture: Database with business logic in Stored Procedures on the server and Java technology including JDBC and SWT on the client-side.

2000 - 2004 / Software Development & Engineering

Low level component & API development of high-performance primitive rendering and painting in Java specialized for application user interfaces using Swing & Java2D, including gradient filling at speeds practically equivalent to solid color filling. Various basic versions of these components were licensed to open-source projects ([Kunststoff LnF](#) & [Metouia LnF](#)) and an optimized version taking advantage of any available hardware acceleration to [Jide Software](#) for its Component Suite and Docking Framework products.

2000 - Present

In charge of IT related projects at CityColor/Expressart, our family owned and run marketing and advertising business established in Santiago del Estero, Argentina. Responsibilities include preparation and calibration of full color prepress masters for outdoor signage, 2D/3D architectural modeling and illumination for construction projects, 2D/3D graphic design and photo retouching.

1999 - 2002 / Software Engineering

Development and maintenance of multi-user system for legal firms managing overdue credit accounts using Java technology including Servlets, JSP, JDBC, JSP, XML, XSL, Dynamic HTML and CSS. 4-tier client/server architecture: Database, Business logic, Document generation on the server side and User Interface in the client. Currently running on company managing 43000+ accounts judicially and extra-judicially on database distributed over several provinces in northwestern Argentina, synchronized through the Internet.

1998 - 2001 / Website Designer & Administrator

Web site design, implementation and web-mastering for [Poder Judicial de la Provincia de Sgo. del Estero](#). This site belongs to the judicial branch of power of this province. Everything in this site including the navigational structure, graphics and animations was designed and created by me. Although no longer in charge, much of the graphics, animations and source code currently in use remain my creation as can be verified by the copyright notice in the html source code.

1998 - 1999 / Manager - Technical Service & Support Department

Head of technical department for the local franchise of [Arnet](#), the largest ISP in Argentina. This franchise included all the territory of the province of Santiago del Estero.

1996 - 1997 / Technical Consultant - Information Technology

Development of small information systems in Java for companies local to Sgo. del Estero, Argentina. Personnel training for various organizations in Sgo. del Estero on basic Internet Skills. Consultant for [Icox](#), a Canadian-Argentine company providing internet services for Argentine businesses. Ref. [Bruno Schmidt](#)

1993 - 1998 / Technical Consultant - Graphics and Video

In charge of installation and maintenance of computer systems and digital/analog video editing equipment. Computer Animation for video. Calibration, digital treatment and preparation of pre-press originals for color catalogs and flyers. Personnel training to assist in these tasks, **AMP Producciones**, Sgo. del Estero, Argentina.

Technical consulting and personnel training, **FREDY Publicidad**, San Miguel de Tucumán, Argentina.

2D & 3D graphic design. Participation in production of TV commercials for these companies.

1992 / Sales Representative

Sales and promotion of educational material and personnel training for direct sales and marketing. **Grolier Inc**, Canada.

1990 - 1991 / Software Developer

Design and implementation of computer applications and tools, LAN and computer system maintenance and personnel training. Among applications developed are data acquisition and control programs for gel electrophoresis of DNA and mathematical analysis tools, [S.U.N.Y. at Stonybrook, biochemistry department](#). Ref. [Dr. Benjamin Chu](#)

1989 - 1992 / Freelance Graphic Designer

Freelance graphic design for small companies and businesses in Long Island.

1989 - 1992 / Programming Assistant

Participation in development of routines in C and Assembly Language for large programming projects for companies such as Radio Shack/Tandy and Lavalin Engineering Inc. in Montreal, Canada. **SOFTPOWER Inc.**, New York.

ACQUIRED SKILLS

Applications

Systems Architecture, Graphics, Communications, Data Acquisition, Control, Operating Systems, Utilities

Operating Systems

WINDOWS 95/NT/2000/XP, UNIX, LINUX, CP/M, MS-DOS

Computer Languages

Java, JavaScript, C/C++, Assembler for MC68000, 80x86, 8080/8085/Z80, BASIC, PASCAL, FORTRAN

Web Standards

HTML, XML, CSS, XSL, JSP, ASP, Flash, SVG

Computer Programs

Caucho Resin, Microsoft Internet Information Server, MySQL Server, Microsoft SQL Server, Eclipse, Sun Forte/Netbeans, Autodesk 3D Studio MAX, Adobe Photoshop, Macromedia Dreamweaver, Macromedia Flash, Adobe Illustrator, Macromedia Freehand, Corel Draw, Adobe Page Maker, Adobe Premiere, Microsoft Office, Autodesk Animator Pro, etc.

Other skills

Extensive teaching and training experience. Marketing and advertising experience in print, radio, TV and the web. Direct marketing experience.