

Education

- 2001 - 2006 **USFQ, Universidad San Francisco de Quito** (GPA 3.7, *Magna Cum Laude*)
Systems Engineer, Thesis: "[Proxy Filesystems](#)", minor: Film producer.
- 2003 - 2004 **UIUC, University of Illinois at Urbana-Champaign** (GPA 3.8)
One year exchange program in Computer Science.
- 1988 - 2001 **Colegio Internacional SEK - Quito** (GPA 3.8)
Bachelor of Science / International Baccalaureate, Specialization: Physics and Mathematics.
- 1989-1995 **Conservatorio Nacional de Música (National Conservatory of Music)**, Quito-Ecuador
General music studies, Specialization: Violin.

Experience

- 2015-Today **Governance Sciences Group, Inc.** Los Angeles, CA *Lead Engineer*
Developed a service that allows government-citizen communication.
- 2014 - Today **Car Footprints, Inc.** Camden, DE & Quito, Ecuador *Founder, CTO*
Developed a hardware + software solution for automatic mileage tracking.
- 2010 - Today **El Imaginario Colectivo** Quito, Ecuador *Founder, Director, Executive Producer*
Directed and produced the studio's first feature film "Quito 2023" (86', Ecuador, 2014)
Directed the documentary "Um pedaço de terra cercado de historias" (21', Brazil, 2011)
- 2012 - 2014 **Vivareal, Inc.** Sao Paulo, Brazil *Software Architect*
Designed and implemented a highly distributed feed processing and web scraping system.
- 2006 - 2008 **Oshyn, Inc.** Los Angeles, CA *Consultant*
Worked with several clients such as VW of America, Best Buy's Geeksquad, Microsoft Zune.
- 2004 **Cynara, Inc.** Champaign, IL *Programmer*
- 2001 - 2006 **Bantec, Inc.** Quito, Ecuador *Senior Consultant*
2008 - 2012 Developed a multi-tier web-based banking system, implemented in several countries.

Honors and awards

- National Physics Contest** at Colegio Alberto Einstein, 10th place in 2000, 6th place in 2001 (top 2%)
- James Clerk Maxwell Scholarship** to study at USFQ (100%)
- BFG - UIUC**, award and diploma for "Outstanding contribution to Siebel Center Grand Opening".
- ThinkQuest 2000 Contest**, 1st place in Ecuador, world wide contest semi-finalist.

Activities

- 2001 - 2006 Founder and Instructor of the **Robotics Club** at the USFQ, Quito - Ecuador.
- 2013 Presented "[Solr Cloud: How to scale to millions of concurrent users](#)" at TDC Florianópolis
- 2008 Van Tharp Institute, Certificate for "**How to Develop A Winning Trading System That Fits You Workshop**", Cary, NC, USA.
- 2008 **Sitecore, Developer 1 and 2 certification**, San Rafael, CA, USA.
- 2000 **Macromedia, Course-seminar** at Quito, Ecuador.

Skills and hobbies

- Programming Languages:** JDK based, Python, ECMAScript, Haskell, C, C++, C#, web languages.
- Infrastructure:** Build systems, advanced Linux / Unix management, distributed systems, cloud computing.
- Physics:** Reading and writing Sci-Fi, astrophysics and quantum mechanics.
- Open Source Software:** Maintainer of several own projects and contributor to other projects.
- Movie Making:** Data pipeline, editing, color correction, photography, DCP generation, directing, producing.
- Languages:** Spanish (native), English (fluent), Portuguese (fluent), French (intermediate), Italian (basic).
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