

PERSONAL INFORMATION

Jorge Saldivar Galli

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Gender Male | Date of birth 21/12/1981 | Nationality(-ies) Paraguayan

JOB APPLIED FOR POSITION
PREFERRED JOB STUDIES
APPLIED FOR

WORK EXPERIENCE

February 2016 - Present

Assistant Researcher

Participa Project
Catholic University of Asuncion, Paraguay

Research, modeling, design and implementation of IT applications and services that support and facilitate the participation of Paraguayan citizens in innovating public services.

July 2014 - October 2014

Visiting Scholar

California Report Card Project
University of California, Berkeley. Center for Information Technology Research in Interest of the Society (CITRIS), Berkeley, California, USA.

Modeled, designed, and implemented a Twitter-based extension for the platform CAFE used in the project The California Report Card to engage citizens of California in the collective assessment of timely issues.

October 2013 - December 2013

Visiting Researcher

Hewlett-Packard Laboratories, Information Analysis Division, Palo Alto, California, USA.

Modeled, designed and implemented an web-based analytic tool for conducting real-time visualization of query execution. It converts a textual query execution plan to a tree visualization and as query executes, its tree visualization is annotated with live query execution events as for example, progress and live statistics for each query operator, overall query progress, etc. Developed a recommendation plugin that annotates the query tree with the most interesting results of its execution analysis, which may indicate execution problems and recommend design solutions for problem queries.

November 2011 - August 2013

Assistant Researcher

BPM4People Project
EU FP7 Research Project.

Researched about methodologies, techniques, and approaches to construct tools for modeling and deploying of business processes that will be executed collaboratively by people in social networks.

November 2011 - March 2013

Assistant Researcher

Ianus Project

Trento-province-funded research project.

Modeled, designed and implemented a spreadsheet-based tool for enabling business process (BP) analysts to conduct BP testing tasks, such as writing metrics and assertions, running tests, and designing test report.

Designed and executed usability studies.

January 2010 - July 2011

Head of Education Technology

NGO Paraguay Educa.

Developed and maintenance of Sugar OS apps (Labyrinth, Poll, TamTam).

Designed, modeled, implemented and maintained the educational software stack (learning platforms, online libraries, student tracking systems) used by teachers and students in classrooms during the implementation of the project One Laptop per Child (OLPC).

TEACHING EXPERIENCE

February 2016 - Present

Cotutor of Bachelor Final Projects

Catholic University of Asuncion, Paraguay.

Titles: Context-aware civic participation and Automatic processing of civic contributions through Machine Learning and Data Visualization.

February 2015 - September 2015

Teaching Assistant

Introduction to Web Programming

Department of Information Engineering and Computer Science, University of Trento, Italy.

Teaching Assistant for the undergraduate course on Web Programming Technologies. The course is focuses on J2EE web technologies (e.g., Servlet, JSP, JSTL, JavaBean) and the work involves mainly the confection of online teaching materials and the preparation of tests.

November 2014 - March 2015

Master Thesis Cotutor

Department of Information Engineering and Computer Science, University of Trento, Italy.

Shahadat Chowdhury's Master Thesis Co-Supervisor. Title: Analyzing and Visualizing citizen opinions collected from social networks.

May 2010 - July 2010

Lecturer

Sugar: development of an educational platform using open source code

Polytechnic School, National University of Asuncion, Paraguay.

Tutor of a course about development for Sugar OS.

October 2008 - December 2008

Training Facilitator

NGO Paraguay Educa

Training of trainers within the Paraguayan deployment of One Laptop Per Child project.

February 2007 - July 2007

Teaching Assistant

Programming Languages 1

Science and Technology School, Catholic University "Nuestra Señora de la Asunción"

Teaching Assistant in Programming Languages 1 part of the System Analysis program.

August 2006 - December 2006

Teaching Assistant

Programming Languages 1

Science and Technology School, Catholic University "Nuestra Señora de la Asunción"

Teaching Assistant in Programming Languages 1 part of the Information Technology Engineering program.

Teaching Assistant

Programming Languages 1

Science and Technology School, Catholic University "Nuestra Señora de la Asunción"

Teaching Assistant in Programming Languages 1 part of the Information Technology Engineering program.

EDUCATION AND TRAINING

2011 - 2016

PhD in Information and Communication Technology

ICT Doctoral School, University of Trento, Italy.

Thesis: Empowering Online Idea Management through Public Displays and Social Networking Services

2001 - 2006

Bachelor of Science (B.Sc.), Informatics Engineering

Catholic University "Nuestra Señora de la Asunción", Asunción, Paraguay.

Thesis: Improving cooperative and competitive behaviors on visually impaired children

PERSONAL SKILLS

Mother tongue(s)

Spanish

Other language(s)

	UNDERSTANDING		SPEAKING		WRITING
	Listening	Reading	Spoken interaction	Spoken production	
English	C1	C1	B2	B2	B2
Italian	B1	B1	B1	B1	A2
Portuguese	C1	B2	A2	A2	A1

Levels: A1/A2: Basic user - B1/B2: Independent user - C1/C2: Proficient user

Common European Framework of Reference (CEF) level

Communication skills

Good communication skills gained through my experience as coordinator and public speaker in retreats, seminars, and courses.

Organizational / managerial skills

Excellent teamwork skills thanks to my experience as:

- Coordinator of social campaigns to assist families of urban areas in financial hardship.
- Electoral delegate in local and national elections.
- Over 11 years of experience leading teams and coordinating medium-scale seminars, retreats, courses, and talks.
- Four years as member of the directory board of the association "Movimiento Peregrino".
- Two year as general coordinator of the directory board of the association "Movimiento Peregrino".

Job-related skills

Enough experience as teaching assistant and course facilitator thanks to my previous work at the Catholic University "Nuestra Señora de la Asunción", Paraguay, at the NGO Paraguay Educa, and at the Polytechnic School, National University of Asuncion, Paraguay.

Computer skills

Proficient in the programming languages: Java, Python, Javascript, R, PHP, SQL, Ruby, C, C++, Bash, C#, Visual Basic; in the development frameworks: Ruby on Rails, Yii, ExtJS, Qooxdoo, Drupal, Play, JQuery, Bootstrap, Django; and in the operating systems: Linux, OS X. Proficient in the e-learning tools: Moodle, Proprofs, Claroline.

Publications

- Gianluca Schiavo, Marco Milano, Jorge Saldivar, Tooba Nasir, Massimo Zancanaro, and Gregorio Convertino. Agora 2.0: Enhancing civic participation through a public display. In *Proceedings of the 6th International Conference on Communities and Technologies (C&T)*, pp. 46-54. ACM, 2013.
- Jorge Saldivar, Cristhian Parra, Carlos Rodríguez, Luca Cernuzzi, and Vincenzo D'Andrea. Participa: Fostering civic participation for public services innovation. In *13th Participatory Design Conference*. 2014.
- Tanja Aitamurto, Jorge Saldivar, and Juho Salminen. Self-selection In Crowdsourced Democracy: A Bug Or A Feature?. In *GROUP Conference*. ACM, 2014.
- Jorge Saldivar, Carla Vairetti, Carlos Rodríguez, Florian Daniel, Fabio Casati, and Rosa Alarcón. Analysis and improvement of business process models using spreadsheets. In *Information Systems 57: 1-19*. Elsevier, 2016.
- Jorge Saldivar, Carlos Rodriguez, Florian Daniel, Fabio Casati, and Luca Cernuzzi. On the (in)effectiveness of the Share/Tweet button: A study in the context of idea management for civic participation. In *IEEE Internet Computing*, pp. 1, 5555. IEEE, 2016.
- Tanja Aitamurto, Hélène Landemore, and Jorge Saldivar. Unmasking the crowd: participants' motivation factors, expectations, and profile in a crowdsourced law reform. In *Information, Communication & Society: 1-22*. 2016.
- Tanja Aitamurto, Kaiping Chen, Ahmed Cherif, Jorge Saldivar, and Luis Santana. Civic CrowdAnalytics: Making sense of crowdsourced civic input with big data tools. In *Proceedings of the 20th International Academic Mindtrek Conference*, pp. 86-94. ACM, 2016. (**Best paper award**).
- Jorge Saldivar, Florian Daniel, Fabio Casati, and Luca Cernuzzi. Idea Management in Social Networks: A Study of how to Tap into the Ideas of Facebook Communities. In *Proceedings of the 17th International Conference on Collaboration Technologies and Systems (CTS)*, pp. 3-10. IEEE, 2016.
- Jorge Saldivar, Marcos Báez, Carlos Rodríguez, Gregorio Convertino, and Grzegorz Kowalik. Idea Management Communities in the Wild: An exploratory study of 166 online communities. In *Proceedings of the 17th International Conference on Collaboration Technologies and Systems (CTS)*, pp. 81-89. IEEE, 2016.
- Tanja Aitamurto and Jorge Saldivar. Examining the Quality of Crowdsourced Deliberation: Respect, Reciprocity and Lack of Common-Good Orientation. *Proceedings of the 2017 CHI Conference Extended Abstracts on Human Factors in Computing Systems*. ACM, 2017.
- Jorge Saldivar, Cristhian Parra, Marcelo Alcaraz, Rebeca Arteta, and Luca Cernuzzi. Civic Technologies for Social Innovation: A Systematic Literature Review (*submitted*). In *Computer Supported Cooperative Work Journal (CSCWJ)*. 2017.
- Tanja Aitamurto and Jorge Saldivar. The Irrationality Rational and Quickly-Satisfied Crowd: Motivational Factors in Crowdsourced Policymaking (*submitted*). In *Computer Supported Cooperative Work Conference*. 2018.

Honours and awards

- Trento RISE association PhD on the move scholarship. Trento, Italy (2013).
- University of Trento three-years PhD student fellowship. Trento, Italy (2011).
- Golden-medal for best graduated student of 2000 class at San Jose High-School, Asuncion, Paraguay (2000).

Patents

- A. Simitsis, W. K. Wilkinson, J. Saldivar. 2013. A method for monitoring and analyzing in real-time the execution of large-scale parallel-executed SQL queries. U.S. Patent Application 83822125, filed January 2014. Patent Pending.

Outcomes of research projects

- *Participa*: Civic participation platform support the execution of public consultants, idea campaigns, and opinion polls directly in hashtag-supported social networking sites, such as Twitter, Facebook, and Google Plus. (<https://github.com/joausaga/participa>)
- *Agora 2.0*: Civic participation oriented tool for polling citizens' opinions regarding local public interest issues in a synchronized on-line and on-site setting. (<http://github.com/joausaga/agora20>)
- *Club de Othello*: Educational tool for helping visually impaired children to learn spatio-temporal concepts as well as to allow them to cooperate and compete with their peers (<http://activities.sugarlabs.org/en-US/sugar/addon/4286>)
- *Spreadsheet-based BP testing*: Spreadsheet-based tool for enabling business process (BP) analysts to conduct BP testing tasks, such as writing metrics and assertions, running tests, and designing test report (<https://sites.google.com/site/ssbptester>)

Open-source contributions

- *IdeaScaly*: Python-based IdeaScale API client (<https://github.com/joausaga/ideascaly>)
- *Tweepy*: Python-based client for accessing Twitter API (<https://github.com/tweepy/tweepy>)
- *Poll*: OLPC Sugar application for creating polls, collecting votes, and analyzing the community opinions. (<http://activities.sugarlabs.org/en-US/sugar/addon/4074>)
- *Labyrinth*: OLPC Sugar mind-mapping application that supports text, images, and simple drawings. (<http://activities.sugarlabs.org/en-US/sugar/addon/4078>)
- *TamTam*: OLPC Sugar application that allows children in exploring music instruments. (<http://activities.sugarlabs.org/en-US/sugar/addon/4061>)
- *Dextrose*: Distribution of OLPC Sugar operating system jointly developed by Activity Central, Paraguay Educa, and Plan Ceibal (<http://wiki.sugarlabs.org/go/Dextrose>)