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

Study grant for doctoral students not entitled to doctoral grant and enrolled to the ICT International Doctoral School, at the XXVII edition, of the University of Trento. Decree no. 162 dated 13th April 2015.

WORK EXPERIENCE

March 2014 - Present

Researcher

The Finnish Experiment Project
Democratic innovation project funded by the Committee for the Future of the Parliament of Finland.

Study on how collective intelligence, whether gathered by crowdsourcing and/or principles of open innovation, impacts processes of policy making.

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 civic-participation tool for supporting the execution of public consultants, idea campaigns, and opinion polls directly in hashtag-supported social networking sites, such as Twitter, Facebook, and Google Plus.
The tool was deployed as an extension of the platform CAFE used in the project 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

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	**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).

March 2008 - December 2008	**Head of Technology**

One Laptop per Child pilot project
Catholic University "Nuestra Señora de la Asunción", Ministry of Education and Culture of Paraguay, Inter-American Development Bank, Organization of Inter-American States.

Mounted and maintained of Unix servers. Set up and configured OLPC XO laptops. Developed and customized educational applications for Sugar OS.

March 2007 - December 2007	**Software Developer**

Azucarera Iturbe: Sugar Industry

Developed, tested and maintained a web-based (ruby on rails) business management system (billing, stocking, accounting, freighting, human resources)

TEACHING EXPERIENCE

February 2015 - Present	**Teaching Assistant**

Introduction to Web Programming
Department of Information Engineering and Computer Science, University of Trento, Italy.

Preparing materials for the Introduction to Web Programming class part of the Computer Science program.

November 2014 - March 2015	**Master Thesis Co-Supervisor**

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.

February 2006 - July 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.

EDUCATION AND TRAINING

2011 - current	**PhD in Information and Communication Technology**

ICT Doctoral School, University of Trento, Italy.

Areas of research: Crowdsourcing, Collective Intelligence, Idea Management, Civic Participation, Democratic Innovation

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.

Organisational / managerial skills Excellent teamwork skills thanks to my experience as:

- Secretary of the board of my high-school student association.

- Coordinator of social campaigns to assist families of urban areas in financial hardship.

- Electoral delegate in local elections and presidential votes.

- 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, public speaker, and course facilitator thanks to my previous work at the Catholic University "Nuestra Señora de la Asunción", Paraguay, at the NGO Paraguay Educa, at the Polytechnic School, National University of Asuncion, Paraguay, and recently at Department of Information Engineering and Computer Science, University of Trento, Italy.
Computer skills	Proficient in the programming languages: Java, Python, Javascript, R, PHP, SQL, Ruby, C, C++, Bash, $C\sharp$, 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.

ADDITIONAL INFORMATION

Publications

- T. Aitamurto, H. Landemore, J. Saldivar. *Unmasking the Crowd: Participants? Motivation Factors and Profile in Crowdsourced Law Reform*. Information, Communication and Society Journal. (under review)

- T. Aitamurto, J. Saldivar. *Motivation Factors in Crowdsourced Policymaking: Problem-solving, Learning, and Interaction with Peers and Experts*. Computer-Supported Cooperative Work and Social Computing, 2016. (under review)

- J. Saldivar, C. Rodriguez, F. Daniel, F. Casati, L. Cernuzzi. *On the (In)Effectiveness of the Share/Tweet button: A study in the Context of Idea Management for Civic Participation*. IEEE Internet Computing Magazine. (under review)

- J. Saldivar, C. Vairetti, C. Rodriguez, F. Daniel, F. Casati, R. Alarcón. *Spreadsheet-based Testing of Business Process*. Elsevier Information Systems Journal. (under revision)

- T. Aitamurto, J. Saldivar, J. Salminen. *Self-selection in Crowdsourcing Democracy: A Bug or A Future?*. Crowdwork Workshop, ACM Conference on Supporting Groupwork, 2014, Sanibel Island, Florida, USA.

- J. Saldivar, C. Parra, C. Rodriguez, L. Cernuzzi, V. D'Andrea. *Participa: Fostering Civic Participation for Public Services Innovation*. 13th Participatory Design Conference, 2014, Windhoek, Namibia.

- G. Schiavo, M. Milano, J. Saldivar, T. Nasir, M. Zancanaro, G. Convertino. *Agora2.0: Enhancing Civic Participation Through a Public Display*. 6th International Conference on Communities and Technologies, 2013, Munich, Germany.

- J. Saldivar, L. Cernuzzi. *Resultados del Club de Othello XO: Una Experiencia de Aprendizaje en Ambiente de Interacción Social*. Congress of Technology Support Disabilities (IBERDISCAP), 2010, Ciudad de Mexico, Mexico.

- L. Cernuzzi, J. Saldivar.*Club de Othello Xo: Una Experiencia de Aprendizaje en Ambiente de Interacción Social*. Congress of Technology Support Disabilities (IBERDISCAP), 2008, Cartegena, Colombia.

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).

- FC-UPM-IB scholarship for post-graduated studies at Universidad Politécnica de Madrid, Spain (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/jouasaga/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)