

Jorge Saldivar Galli

Via delle Cave 13, Trento, Italy
jorgesaldivar@gmail.com

OBJECTIVE	Position as a fellow in the 2015 Data Science for Social Good program.
EDUCATION	<p><i>PhD candidate</i>, Information and Communication Technology, ICT Doctoral School, University of Trento, Italy (expected April, 2016).</p> <p><i>Bachelor of Science (B.Sc.)</i>, Informatics Engineering, Catholic University "Nuestra Señora de la Asunción", Paraguay, 2010. Thesis: <i>Improving cooperative and competitive behaviors on visually impaired children.</i></p>
SOCIAL IMPACT RESEARCH PROJECTS	<p><i>Club de Othello</i>: Educational project that seeks for exploiting the expressiveness of multimedia tools to help visually-impaired children in learning spatio-temporal concepts and in improving their social abilities</p> <p><i>Agora 2.0</i>: Project that aims at combining the potential of public displays and the power of online platforms to create a synchronized on-line and on-site system oriented to promote the participation of citizens in discussions regarding public concern issues.</p> <p><i>Participa (PhD thesis)</i>: Civic-participation project that aims at harvesting the expertise/knowledge/opinions of today's biggest virtual communities – the social networks – to drive, enrich, and complement the, increasingly common, internet-mediated public consultant initiatives.</p>
RESEARCH EXPERIENCE	<p><i>Visiting Scholar</i> July 2014 - October 2014 Center for Information Technology Research in Interest of the Society (CITRIS), University of California, Berkeley, California, USA.</p> <ul style="list-style-type: none">■ Modeled, designed, and implemented a Twitter-based extension for the platform CAFE used in the project California Report Card to engage citizens of California in the collective assessment of timely issues. <p><i>Visiting Researcher</i> October 2013 - December 2013 Information Analysis Division, Hewlett-Packard (HP) Labs, Palo Alto, California, USA.</p> <ul style="list-style-type: none">■ Designed and implemented an web-based analytic tool for conducting real-time visualization of query execution. In doing so, the query execution plan was converted into a visualization tree, which was annotated with live query execution progress statistics.■ Developed a recommendation plugin that annotated the query tree with the most interesting results of its execution analysis, which may indicate execution problems and recommend design solutions for problem queries. <p><i>Researcher</i> November 2011 - October 2014 EU-funded BPM4People research project and Trento-province-funded Ianus project.</p> <ul style="list-style-type: none">■ Researched on methodologies, techniques, and approaches to construct tools for modeling and deploying of business processes that will be executed collaboratively by people in social networks.■ 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.

EMPLOYMENT	<i>Software Developer/Head of Educational Technology</i> NGO Paraguay Educa.	January 2010 - July 2011
	<ul style="list-style-type: none"> ■ 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). 	
	<i>Software Developer/Technology Manager</i> OLPC pilot project, Catholic University "Nuestra Señora de la Asunción"	March 2008 - December 2008
	<ul style="list-style-type: none"> ■ Mounted and maintained of Unix servers. Set up and configured OLPC XO laptops. ■ Developed and customized educational applications for Sugar OS. 	
	<i>Software Developer</i> Azucarera Iturbe (Sugar Industry)	March 2007 - December 2007
	<ul style="list-style-type: none"> ■ Developed, tested and maintained a web-based (ruby on rails) business management system (billing, stocking, accounting, freighting, human resources) 	
COMPUTER AND DATA ANALYSIS SKILLS	<ul style="list-style-type: none"> ■ Languages and Frameworks: Python, Java, Javascript, PHP, SQL, Ruby, C, C++, Bash, C#, Ruby on Rails, Yii, ExtJS, Qooxdoo, Drupal, Play, JQuery, Bootstrap, Django. ■ Analysis Methods and Techniques: Descriptive statistics, correlation analysis, regression models, inferential statistics, grounded theory. ■ Data processing and visualization tools: R, Kettle, Ggplot, D3, Jit. 	
EXTRA-CURRICULAR ACTIVITIES	<ul style="list-style-type: none"> ■ Foundation member of the non-for-profit Organization Paraguay Educa. ■ Electoral delegate in local and national elections. ■ Member of the directory board of the Pilgrim movement. ■ Participant and coordinator of diverse social campaigns, e.g. <i>Corazones Abiertos</i>, <i>Juventud que se mueve</i>, <i>SerVos</i>. ■ Member of San José high-school student association. 	
AWARDS	<ul style="list-style-type: none"> ■ PhD student fellowship. University of Trento, Trento, Italy (2011-2014). ■ PhD on the move scholarship. Trento RISE Association, Trento, Italy (2013). ■ FC-UPM-IB scholarship for post-graduated studies at Universidad Politécnica de Madrid, Spain (2011). 	
PUBLICATIONS	<ul style="list-style-type: none"> ■ T. Aitamurto, J. Saldivar, J. Salminen. <i>Self-selection in Crowdsourcing Democracy: A Bug or A Future?</i>. Crowdwork Workshop, ACM Conference on Supporting Groupwork, 2014, Sanibel Island, Florida, USA. ■ J. Saldivar, C. Parra, C. Rodriguez, L. Cernuzzi, V. D'Andrea. <i>Participa: fostering civic participation for public services innovation</i>. 13th Participatory Design Conference, 2014, Windhoek, Namibia. ■ G. Schiavo, M. Milano, J. Saldivar, T. Nasir, M. Zancanaro, G. Convertino. <i>Agora2.0: Enhancing Civic Participation through a Public Display</i>. 6th International Conference on Communities and Technologies, 2013, Munich, Germany. ■ J. Saldivar, L. Cernuzzi. <i>Club de Othello XO: Una Experiencia de Aprendizaje en Ambiente de Interaccion Social</i>. Congress of Technology Support Disabilities (IBERDISCAP), 2010, Ciudad de Mexico, Mexico. 	