

Jorge Saldivar Galli

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EDUCATION

PhD candidate, Information and Communication Technology,
ICT Doctoral School, University of Trento, Italy (expected, September 2016).
Thesis: *Empowering Online Idea Management Through Social Networking Services.*

Bachelor of Science (B.Sc.), Informatics Engineering,
Catholic University "Nuestra Señora de la Asunción", Paraguay, 2010.

Thesis: *Improving cooperative and competitive behaviors on visually impaired children.*

DATA ANALYSIS PROJECT

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

Social sharing practices in open innovation: Study on the effectiveness of current social sharing practices in the context of open innovation processes for civic participation.

RESEARCH PROJECTS

Ianus: Project that focuses on developing methods and techniques to perform functional validation of business processes.

BPM4People: Project that seeks to develop methodologies, techniques, and approaches to constructing tools for modeling and deploying of business processes that will be executed collaboratively by people in social networks.

Agora 2.0: Project that aims at combining the potential of public displays and the power of open innovation platforms to create a synchronized on-line and on-site system oriented to promote the participation of citizens in discussions regarding public concern issues.

Social Ideation: Civic-participation project that aims at harvesting the expertise, knowledge, and opinions of today's biggest virtual communities – the social networks – to drive, enrich, and complement citizen-sourcing open innovation processes.

Club de Othello: 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.

RESEARCH EXPERIENCE

Visiting Scholar July 2014 - October 2014
Center for Information Technology Research in Interest of the Society (CITRIS), University of California, Berkeley, California, USA.

- 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.

Visiting Researcher October 2013 - December 2013
Information Analysis Division, Hewlett-Packard (HP) Labs, Palo Alto, California, USA.

- Designed and implemented an web-based interactive analytic tool for conducting real-time visualization of query execution.

- 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.

Researcher

November 2011 - October 2014

EU-funded BPM4People research project and Trento-province-funded Ianus project.

- 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

Software Developer/Head of Educational Technology
NGO Paraguay Educa.

January 2010 - July 2011

- 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).

Software Developer/Technology Manager

March 2008 - December 2008

OLPC pilot project, Catholic University "Nuestra Señora de la Asunción"

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

Software Developer

March 2007 - December 2007

Azucarera Iturbe (Sugar Industry)

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

COMPUTER AND DATA ANALYSIS SKILLS

- 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: Descriptive statistics, correlation analysis, inferential statistics.
- Machine Learning: Regression, classification, unsupervised learning and recommendation modeling.
- Data analytic and visualization tools: R, Azure ML, Kettle, Ggplot, D3, Jit.
- RESTful APIs: Twitter, Google Plus, Facebook, IdeaScale, Google Translator, Google Drive, Google URL shortener.

PUBLICATIONS

- 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.
- J. Saldivar, C. Vairetti, C. Rodriguez, F. Daniel, F. Casati, R. Alarcon. *Analysis and improvement of business process models using spreadsheets*. Elsevier Information Systems Journal 57, 2016, Pages 1-19.
- 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. *Club de Othello XO: Una Experiencia de Aprendizaje en Ambiente de Interaccion 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 Interaccion Social*. Congress of Technology Support Disabilities (IBERDISCAP), 2008, Cartagena, Colombia.

AWARDS

- 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).