

JORGE SALDIVAR

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Asunción, Paraguay

CURRENT POSITION AND RESEARCH

Assistant Researcher

Catholic University of Asunción, Paraguay

February 2016

Asunción, Paraguay

Assistant researcher at the Department of Electronic and Informatics, Catholic University of Asunción, Paraguay working on the following topics:

Applied Machine Learning & Data Analysis, Civic Participation & Democratic Innovation, Crowdsourcing, Collective Intelligence

EDUCATION

Ph.D. candidate, Computer Science

University of Trento, Italy

(expected) April 2016

Thesis: Integrating Platforms for Eliciting Ideas with Social Networks: An approach to empower civic engagement for public sector innovation

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

Catholic University of Asunción, Paraguay

February 2010

Thesis: Improving cooperative and competitive behaviors on visually impaired children

RESEARCH PROJECTS

Participa

Leading Institution: **Catholic University of Asunción, Paraguay**

February 2016 – Present

Developing ICT solutions to foster, support, and facilitate civic participation in the creation of social impact solutions and public sector innovations

The California Report Card

Leading Institution: **University of California Berkeley, USA**

July 2014 – December 2014

Implementing mobile-based solutions to structure and streamline communication from the California residents to their elected officials.

BPM4People (EU FP7 funded project)

Leading Institution: **University of Trento, Italy**

November 2011 – October 2013

Developing methodologies, techniques, and tools to model and deploy business processes that are executed collaboratively by people in social networks.

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Leading Institution: **University of Trento, Italy**

November 2011 – March 2013

Developing of methods, techniques, and tools to model, analyze, test, and deploy business processes.

TEACHING ACTIVITIES

Thesis co-tutor

University of Trento, Italy

November 2014 – March 2015

Co-tutor of the master thesis *Analyzing and visualizing citizen opinions collected from social networks presented*

Teaching assistant

University of Trento, Italy

February 2015 – September 2015

Course *Web Programming Technologies*, which was focused on J2EE web technologies (e.g., Servlet, JSP, JSTL, JavaBean)

Teaching assistant

Catholic University of Asunción, Paraguay

February 2006 – July 2007

Course *Programming Languages*, which was focused on algorithms and data structures (C language)

TECHNICAL SKILLS

Data analytics

Data analysis with R

Visualization with Ggplot/Jit

Machine Learning with R



Programming languages

Python

Javascript

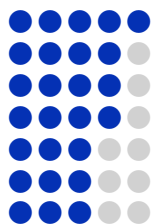
HTML/CSS

Java

PHP

Ruby

C



Databases

MySQL



Web application development

Django

Play

Ruby on rails



Mobile application development

Android



Version control

GIT



OTHER PROFESSIONAL EXPERIENCES

Visiting Researcher

Center for Information Technology Research in Interest of the Society (CITRIS), University of California, Berkeley

📅 July 2014 – October 2014

📍 Berkeley, CA, 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

Information Analysis Division, Hewlett-Packard (HP) Labs

📅 October 2013 – December 2013

📍 Palo Alto, CA, 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 the discovered problems in queries

Software Engineer

NGO Paraguay Educa

📅 January 2010 – July 2011

📍 Asunción, Paraguay

- 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 deployment of the project One Laptop per Child (OLPC).

RECENT PUBLICATIONS

Published **11 peer-reviewed papers** in relevant conferences and journals. The most recent are the following

📄 Journal Articles

- Aitamurto, T., H. Landemore, and J. Saldivar (2016). "Unmasking the crowd: participants' motivation factors, expectations, and profile in a crowdsourced law reform". In: *Information, Communication & Society*.
- Saldivar, J., C. Rodríguez, F. Daniel, F. Casati, and L. Cernuzzi (2016). "On the (in) effectiveness of the share/tweet button: A study in the context of idea management for civic participation". In: *IEEE Internet Computing*.
- Saldivar, J., C. Vairetti, C. Rodríguez, F. Daniel, F. Casati, and R. Alarcón (2016). "Analysis and improvement of business process models using spreadsheets". In: *Information Systems*.

👥 Conference Proceedings

- Aitamurto, T., K. Chen, A. Cherif, J. Saldivar, and L. Santana. "Civic CrowdAnalytics: making sense of crowdsourced civic input with big data tools". In: *Proceedings of the 20th International Academic Mindtrek*.
- Saldivar, J., M. Baez, C. Rodriguez, G. Convertino, and G. Kowalik (2016). "Idea Management in the Wild: An exploratory study of 166 online communities". In: *Proceedings of the 17th International CTS Conference*.

AWARDS

- Best Paper Award.** Academic Mindtrek Conference, October 2016. Paper: *Civic CrowdAnalytics: making sense of crowdsourced civic input with big data tools*.
- PhD student fellowship.** University of Trento, Trento, Italy (2011-2014).
- PhD on the move scholarship.** Trento RISE Association, Trento, Italy (2013).

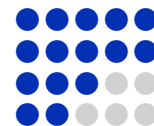
COLLABORATION IN RESEARCH COMMUNITIES

Reviewed scientific articles and papers for the following conferences and journals

- Conferences:**
WWW (Int. Conf. on World Wide Web), **ISOC** (Int. Conf. on Service Oriented Computing), **CTS** (Int. Conf. on Collaboration Technologies and Systems), **Academic Mindtrek** (Int. Academic Mindtrek Conference), **ICEIS** (Int. Conf. on Enterprise Information Systems),
- Journals:**
JSMO (Journal of Social Media for Organization)

LANGUAGES

Spanish (native speaker)
English
Italian
Portuguese



REFEREES

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