

JUAN F. SEQUEDA

2612 San Pedro St. Apt 206, Austin, Texas, 78705 | 1.817.357.9910 | jsequeda@cs.utexas.edu

RESEARCH INTEREST

Semantic Web, Ontologies, Integration of Relational Databases with the Semantic Web

EDUCATION

The University of Texas at Austin
Ph.D. in Computer Sciences

2008

The University of Texas at Austin
B.S. Computer Sciences

2006 - 2008

Universidad del Valle
Systems and Computer Engineering
Cali, Colombia

2003 – 2006

AWARDS

Graduate School Diversity Recruiting Fellowship, University of Texas at Austin

2008 – 2009

National Instruments Endowed Scholarship for Excellence

2007 – 2008

Intel Foundation Undergraduate Research Fellowship

2007

RELATED EXPERIENCE

University of Texas at Austin

Research Assistant

2006 – Present

Integrating Relational Databases with the Semantic Web: This research attempts to provide an innovated approach to integrate data that reside in relational databases and connect it with the ontology layer of the Semantic Web. Our objective is to have semantic access to data in relational databases from Semantic Web query engines. Proposed and developed a mapping between SQL and OWL ontology language. Developed an Ontology Browser for Morphster Project.

Solutions Superbacano.com

Co-Founder

2007 – Present

Developed Rich Internet Applications in PHP, MySQL and AJAX for multiple clients in North America, Europe and South America. Designed and developed “Unico” © for Smartbridge GmbH (Zurich): an event planning web application for employment agencies which enables customers to have online access to all their projects, staff planning, salaries, statistics and communication with employees. Interacted and communicated in a cross cultural environment between teams in Switzerland and Colombia.

PUBLICATIONS AND PAPERS

Trimizi, S. Sequeda, J F. Miranker, D P. Translating SQL Applications to the Semantic Web

In submission

2008

Sequeda, J F. Trimizi, S. Miranker, D P. SQL Databases are a Moving Target

Position Paper for W3C Workshop on RDF Access to Relational Databases. Cambridge, MA, USA

2007

Sequeda, J F. A Taxonomy of Verification and Validation of Software Requirement and Specifications

Unpublished. Paper for Unified Approach of Verification and Validation of Software Systems

Graduate course.

2007

Sequeda, J F. Hurtado, D P. Propuesta del uso de Ontologias para la Busqueda Semantica en Laboratorio de Investigacion y Desarrollo: OLID

Proceedings of IV International Seminar of Internet Technologies. Popayan, Colombia

2006

LANGUAGES

English – native speaker

Spanish – native speaker

German – speak, read and write with high proficiency

MEMBERSHIPS

ACM - ELA (Empowering Leadership Alliance)