

Sergio Fernández

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PERSONAL INFORMATION

Date of birth: October 7th, 1981

Nationality: Spanish

Marital status: single

WORK EXPERIENCE

Research Assistant	Jan 2006 - present
R&D Department, CTIC Foundation	Gijón, Spain
Software Engineer specialized on applied research on Semantic Web.	
Associate Lecturer	Oct 2011 - present
ESNE, Universidad Camilo José Cela	Oviedo, Spain
Teaching some basic computer science subjects.	
Visitor Researcher	Feb 2008 - Apr 2008
DERI NUI Galway	Galway, Ireland
Research cooperation on the SIOC project.	
GNU/Linux Trainer	Nov 2005 - Dec 2005
Gestione S.L.	Gijón, Spain
Training specialist in GNU/Linux operating system.	
IT Chief Officer	Sep 2003 - Apr 2007
Autoprin S.A.U.	Gijón, Spain
System and network administrator.	
IT Collaboration Fellow	Oct 2001 - Jun 2002
Petrology Department, University of Oviedo	Oviedo, Spain
System and network administrator.	

TECHNICAL SKILLS

Practical research skills, and consortium proposal writing.

Experience in team-working and leading and project management, both predictive (RUP, Metrika) and agile (XP, Scrum, Ruck).

Software engineering using design patterns and UML.

Wide experience with collaborative and social tools for software development (CVS/Subversion/Mercurial/Git, wikis, bugtrackers).

Professional level of several programming languages and platforms: Java/JavaEE, Groovy, Scala, Python, JavaScript, C#, C/C++, PHP, ObjectPascal/Delphi, among others; user interfaces: Web, RIA, GTK, XUL, Qt, WinForms, WPF; IDEs: Eclipse, NetBeans, IntelliJ IDEA, VisualStudio, MonoDevelop, etc.

XML technologies such as XSL, XSLT, XPath, DOM, XQuery.

Web development (HTML/XHTML/HTML5, CSS, SVG). Web accessibility.

Semantic Web tecnologies (RDF, SPARQL, RDFS/OWL), tools and libraries (RDFLib, librdf, Jena, RAP, ARC2).

Working experience in mobile development, mainly mobile Web and Android.

Technical documentation with DocBook and L^AT_EX.

UNIX-Linux and Windows system administration over TCP/IP networks. Experience with many DBMS (relational, noSQL, RDF, etc.).

Expert in open source software licensing. Applied knowledge of Spanish legislation on computer technology.

EDUCATION

MSc on Web Engineering
Degree dissertation: trioos

University of Oviedo, 2010

Master Course in Innovation Management and
Business Development

University of Oviedo, 2008

BSc on Computer Science
Degree dissertation: SWAML

University of Oviedo, 2006

LANGUAGES

- Spanish (native speaker)
- English (full professional proficiency), certified by Cambridge (*First Certificate*) and by Official School of Languages of Spain (intermediate level).

OTHER QUALIFICATIONS

- Scrum Manager Certified, Gijón, 2011.
- *XSLT, Extensible Stylesheet Language Transformations*, CTIC Foundation, 2006.
- CCNA (*Cisco Certified Network Associate*), 2006.
- *The document preparation system L^AT_EX*, University of Oviedo, 2003.
- Driving license, 1999.

RELEVANT PROJECTS

Some relevant public (both funded or hacking) projects I've been involved, sorted alphabetically:

- Djubby, a Linked Data frontend for SPARQL endpoints for the Django framework
- EzWeb, open source mashup platform
- MyMobileWeb, agile mobile web development framework
- Neologism, Easy RDFS Vocabulary Publishing
- ONTORULE, ONTOlogies meet business RULEs (FP7)

- Parrot, a set of tools to generate automatically reference documentation for RIF rules, OWL ontologies and combination of both
- RDFA Developer for Firefox
- RDFohloh, the open source network Ohloh as Linked Data
- Semantic Web Radar, a semantic metadata detector for Mozilla Firefox
- SIOC, Semantically-Interlinked Online Communities
- Semantic Web Radar for Firefox
- Serenoa, multidimensional context-aware adaptation of Service frontends (FP7)
- SERSCIS, Semantically Enhanced Resilient and Secure Critical Infrastructure Services (FP7)
- SPARQL Wrapper, SPARQL Endpoint interface to Python
- SpecGen, ontology/vocabulary specification generator tool
- SWAML, Semantic Web Archive of Mailing Lists
- trioo, keeping the semantics of rdf data safe and sound into object-oriented software
- Vapour, a Linked Data validator

Due to contractual restrictions, I am not authorized to release information about some other research projects I've been involved. Furthermore, I usually contribute to some other FLOSS projects.

HONORS AND AWARDS

SWAML, best Web project at the *first Free Software University Contest*, Seville, May 2007.

PUBLICATIONS

2012

Carlos Tejo-Alonso, Diego Berrueta, Luis Polo and Sergio Fernández. Current practices and perspectives for metadata on web ontologies and rules. *International Journal of Metadata, Semantics and Ontologies*. Inderscience, 2012 (to appear).

2011

Alexandre Passant, Sergio Fernández, John Breslin, Uldis Bojars (eds.): Proceedings of the ISWC2011 workshop Social Data on the Web Workshop (SDoW2011), Bonn (Germany), October 23, 2011.

Carlos Tejo-Alonso, Diego Berrueta, Luis Polo and Sergio Fernández. Metadata for web ontologies and rules: current practices and perspectives. Fifth Metadata and Semantics Research Conference (MTSR 2011), Izmir (Turkey), October 12-14, 2011.

Lian Shi, Diego Berrueta, Sergio Fernández, Luis Polo, Iván Mínguez, Emilio Rubiera and Silvino Fernández. GEEK: Analyzing Online Communities for Expertise Information. Chapter in Handbook of Research on Methods and Techniques for Studying Virtual Communities/on line communities: Paradigms and Phenomena, Ben Kei Daniel (ed.), pp. 10-33. IGI Global. 2011.

2010

Alexandre Passant, John Breslin, Sergio Fernández, Uldis Bojars (eds.): Proceedings of the ISWC2010 workshop on Social Data on the Web Workshop (SDoW2010), Shanghai (China), November 8, 2010. CEUR Workshop Proceedings, ISSN 1613-0073.

Thomas Eiter, Adil El Ghali, Sergio Fernández, Stijn Heymans, Thomas Krennwallner, François Lévy (eds.): Proceedings of the First International Workshop on Business Models, Business Rules and Ontologies (BuRO 2010), co-located with the 4th International Conference on Web Reasoning and Rule Systems (RR2010), Bressanone/Brixen (Italy), September 21, 2010.

Sergio Fernández. *trioo, estudio e implementación de modelos de datos RDF en lenguajes orientados a objetos.* Master degree thesis, University of Oviedo (Spain), July, 2010.

Sergio Fernández, Diego Berrueta, Miguel García Rodríguez, Jose E. Labra. *TRIOO, Keeping the Semantics of Data Safe and Sound into Object-Oriented Software.* In Proceedings of the 5th International Conference on Software and Data Technologies (ICSOFT 2010), Athens (Greece), 22-24 july, 2010.

Carlos Tejo-Alonso, Sergio Fernández, Diego Berrueta, Luis Polo, María Jesús Fernández, and Víctor Morlan. *eZaragoza, a tourist promotional mashup.* Submission to the AI Mashup Challenge 2010, co-located with the 7th Extended Semantic Web Conference (ESWC 2010), Heraklion (Greece), 30 May - 3 June, 2010.

2009

John Breslin, Uldis Bojars, Alexandre Passant and Sergio Fernández (eds.). Proceedings of the ISWC2009 workshop on Social Data on the Web (SDoW2009), Washington DC (USA), October 25, 2009.

Sergio Fernández, Diego Berrueta, Lian Shi, Jose E. Labra, Patricia Ordóñez de Pablos. *Mailing Lists and Social Semantic Web.* Chapter in *Social Web Evolution: Integrating Semantic Applications and Web 2.0 Technologies*, Miltiadis D. Lytras, Patricia Ordóñez de Pablos (eds.), part of the *Advances in Semantic Web and Information Systems (ASWIS)* book series. ISBN: 978-1-60566-272-5.

John Breslin, Uldis Bojars, Alexandre Passant, Sergio Fernández and Stefan Decker. *SIOC: Content Exchange and Semantic Interoperability Between Social Networks.* W3C Workshop on the Future of Social Networking, Barcelona (Spain), 15-16 January, 2009.

2008

John Breslin, Uldis Bojars, Alexandre Passant and Sergio Fernández (eds.). Proceedings of the ISWC2008 workshop on Social Data on the Web (SDoW2008), Karlsruhe (Germany), October 27, 2008.

Lian Shi, Diego Berrueta, Sergio Fernández, Luis Polo and Silvino Fernández. *Smushing RDF instances: are Alice and Bob the same open source developer?.* ISWC2008 workshop on Personal Identification and Collaborations: Knowledge Mediation and Extraction (PICKME 2008), Karlsruhe (Germany), October 27, 2008.

Sergio Fernández. *RDFohloh, a RDF wrapper of Ohloh.* ISWC2008 workshop on Social Data on the Web (SDoW2008), Karlsruhe (Germany), October 27, 2008. To appear.

Sergio Fernández, Diego Berrueta and José E. Labra. *A semantic web approach to publish and consume mailing lists.* International Journal on WWW/Internet, IADIS, ISSN 1645-7641, vol. 6, pages 90-102, June, 2008.

Cosmin Basca, Stéphane Corlosquet, Richard Cyganiak, Sergio Fernández and Thomas Schandl. *Neologism: Easy Vocabulary Publishing.* ESWC2008 Workshop Scripting for the Semantic Web (SFSW2008), Tenerife (Spain), June 2, 2008.

Diego Berrueta, Sergio Fernández and Iván Fraile. *Cooking HTTP content negotiation with Vapour*. ESWC2008 Workshop Scripting for the Semantic Web (SFSW2008), Tenerife (Spain), June 2, 2008.

Diego Berrueta, Sergio Fernández and Lian Shi. *Bootstrapping the Semantic Web of Social Online Communities*. WWW2008 Workshop on Social Web Search and Mining (SWSM2008), Beijing (China), April 22, 2008.

2007

Diego Berrueta, Sergio Fernández, Ignacio Marín, José M. Cantera, Mario Arias, Juan J. Hierro, Miguel Jiménez, Javier Soriano. *Aplicación de las tecnologías de la Web Semántica a la problemática de cumplimentación automática de formularios en la Web Móvil*. Proceedings of workshop on MWeb'07, Zaragoza (Spain), September 12, 2007.

John Breslin, Uldis Bojars, Diego Berrueta, Dan Brickley, Stefan Decker, Sergio Fernández, Christoph Görn, Andreas Harth, Tom Heath, Kingsley Idehen, Kjetil Kjernsmo, Alistair Miles, Alexandre Passant, Axel Polleres, Luis Polo, Michael Sintek. *SIOC Core Ontology Specification*. Member Submission, W3C, June 12, 2007.

Sergio Fernández, Diego Berrueta and José E. Labra. *Mailing lists meet the Semantic Web*. Proceedings of workshop on Social Aspects of the Web (SAW 2007), ISBN 83-916842-4-2, pp. 45-52, Poznan (Poland), April 27, 2007.

2006

Sergio Fernández. SWAML, publicación de listas de correo en Web Semántica. Bachelor degree thesis, University of Oviedo (Spain), December, 2006.

TEACHING EXPERIENCE

Barra libre en proyectos de software... pero sólo hasta media noche

Project Management, Master on Web Engineering.
University of Oviedo. Oct 2011.

Programa Profundiza: Campus TIC y Yo Programo

Consejería de Educación y Ciencia,
Principado de Asturias Feb 2011 - Jun 2011.

Herramientas de nueva generación para la Gestión del Conocimiento

Master Course in Innovation Management,
University of Oviedo, Jan 2011.

Herramientas de nueva generación para la Gestión del Conocimiento

Master Course in Innovation Management,
University of Oviedo, Feb 2010.

El Software Libre, fundamentos e impacto en la sociedad

Complementary course,
University of Oviedo, Apr 2009.

Science teacher

Self-employed, Feb 2000 - Jun 2005.

LECTURES

Linked Data en CTIC	Red temática Española de Linked Data, Madrid (Spain), Jun 2011
El Software Libre como elemento catalizador de la innovación	IX Congreso Ciberciudadano, Oviedo (Spain), May 2010.
Aceriendo la Web de Datos a las Administraciones Públicas	W3C Day for the Public Admnistration, Tecnimap, Zaragoza (Spain), Apr 2010
Social Data on the Web	7th International Semantic Web Conference, Karlsruhe (Germany), Oct 2008
RDFohloh, a RDF wrapper of Ohloh	SDoW2008, 7th International Semantic Web Conference, Karlsruhe (Germany), Oct 2008.
Smushing RDF instances: are Alice and Bob the same open source developer?	PICKME2008, 7th International Semantic Web Conference, Karlsruhe (Germany), Oct 2008.
Neologism: Easy Vocabulary Publishing	SFSW2008, 5th European Semantic Web Conference, Tenerife (Spain), Jun 2008
Cooking HTTP content negotiation with Vapour	SFSW2008, 5th European Semantic Web Conference, Tenerife (Spain), Jun 2008
Bootstrapping the Semantic Web of Social Online Communities	DERI NUI Galway (Ireland), Apr 2008
Projects free development	University of Oviedo (Spain), Oct 2007
SWAML, Semantic Web Archives of Mailing Lists	First Free Software University Contest, Seville (Spain), May 2007
SVN workshop	University of Oviedo (Spain), Jan 2007
Free Software introduction	Gijón (Spain), Feb 2006
Debian GNU/Linux install party	University of Oviedo (Spain), May 2005
Free Software and entrepreneurs	5th Free Software conference in Asturias, Oviedo (Spain), Mar 2005
Free Software introduction	Gijón (Spain), Jul 2004

MEMBERSHIPS

- Board member of Morfeo community.
Member of the Free Software working group at INES, the Spanish Platform on Software and Services.
Member of the Linking Open Data W3C Community project.

Member of the W3C WebID Incubator Group.

Former member of WESO (Semantic Web Oviedo) Research Group.

Board member of AsturLiNUX, asturian LUG (local Linux user group).

Founding member of AJUNA, youngster association of Navia.

OTHER SKILLS

Broad experience in organizing events such as conferences and workshops.

Student representative for several years at the Computer Science Department Board at the University of Oviedo.

Regular practice of different sports, mainly running, but also swimming, cycling, climbing or rowing.

REFERENCES

Dr. Antonio Campos

- Chief Information Oficer at Segurauto
- Associate Lecturer at the Computer Science Department (University of Oviedo)
- Former R&D Director at CTIC Foundation.
- antonio.campos@gmail.com

Dr. John Breslin

- Lecturer in Electronic Engineering, NUI Galway
- Associate Researcher at DERI, NUI Galway
- john.breslin@nuigalway.ie
- <http://www.johnbreslin.com/>

Dr. Jose E. Labra

- Associate Lecturer at the Computer Science Department (University of Oviedo)
- Director of the Technical School on Computer Science Engineering of Oviedo
- Coordinator of WESO (Semantic Web Oviedo) Research Group
- labra@uniovi.es
- <http://www.di.uniovi.es/~labra>

ONLINE PRESENCE

Additionally, some disaggregated information about me is available on the Web and might be relevant for complementing this resume:

- <http://www.linkedin.com/in/sergiofernandez>
- <https://www.ohloh.net/accounts/Wikier>
- <http://twitter.com/wikier>
- <http://www.facebook.com/wikier>
- <http://www.wikier.org/foaf#wikier>

Last update: Dec 13th, 2011. For further details, please contact me or check my personal web page.