

Curriculum Vitae

Personal Information

Name: José Figueroa Martínez
Birth date: November 29, 1982
Birth place: Hermosillo, Sonora, Mexico.
Language: Spanish native speaker.
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Professional information

PhD Student at University of Granada, Depto. Of Languages and Computer Systems
Address: C/ Periodista Daniel Saucedo Aranda s/n Granada, Spain
CP: 18071

RESEARCH INTERESTS

Software development, coding and testing techniques, programming paradigms and languages, web development, collaborative systems, decision support systems, awareness support, model-driven development.

ACADEMIC TRAINING

2009-2012 *PhD in Software Development*, University of Granada, Spain, ending on mid 2012.
2007-2009 Master in Software Development, University of Granada, Spain.
2000-2005 Bachelor in Computer Science, University of Sonora, Mexico.
1997-2000 Computer Technician, Centro de Bachillerato Tecnológico, Industrial y de Servicios No. 11, Mexico.

RESEARCH PROJECTS

2009-2011 Member of the project *Architectural Modeling of Collaborative Systems based on patterns* (DESACO), TIN2008-06596-C02, granted by the Ministry of Science and Innovation, Spain.
2010-2011 Member of the project *Technologies for Integrated Management of migration* (INTEGRA) CENIT 4^a (CDTI), Spain.

MEMBERSHIPS

October 2007 to 2012 Fellowship of "Consejo Nacional de Ciencia y Tecnología de México" CONACYT.
October 2006 to 2012 Member of the Department of Languages and Computer Systems at the University of Granada.
August 2010 to 2012 Member of the Intelligent System Research Group (IsG, TIC-175) funded by the Andalusian Regional Government.

PUBLICATIONS

Jose Figueroa-Martinez, F.L. Gutierrez Vela, Víctor López-Jaquero, Pascual González, "UsiXML extension for Awareness Support", INTERACT2011, Lisbon, Portugal, 1-9 september, 2011.
Jose Figueroa-Martinez, F.L. Gutierrez Vela, Víctor López-Jaquero, Pascual González, "Extension a UsiXML para el Soporte del Awareness", Congreso Interacional de Interacción Persona-Ordenador, Lisbon, Portugal, 1-9 september, 2011.
José Figueroa Martínez, F.L. Gutierrez Vela. "Modelado del Awareness para el Desarrollo de Sistemas Colaborativos". Interacción 2010, Valencia, España, 2010.
Luis Castillo, Juan Fernandez-Olivares, Antonio González, Gonzalo Milla, David Prior, Lluvia Morales, José Figueroa, Victor Pérez-Villar. "A Knowledge Engineering Methodology for Rapid Prototyping of Planning Applications." 23rd International FLAIRS Conference. Daytona Beach, Florida, USA. 2010.
José Figueroa-Martínez, Lluvia Morales, Luis Castillo; "Modificación del módulo SCORM para el Soporte Básico del IMS-LD"; MoodleMoot; Barcelona, October 2008.
Flores, Pedro; Brau, Ernesto; Monteverde, Jazmín; Salazar, Norman; Figueroa, José; Cadena, Eliseo; Lizárraga, Caleb; "Experimentos con Algoritmos Genéticos para Resolver un Problema Real de Programación Maestros-Horarios-Cursos"; Revista Iberoamericana de Sistemas, Cibernética e Informática; Volume 1, Number 2; July 2004.
Flores, Pedro; Brau, Ernesto; Monteverde, Jazmín; Salazar, Norman; Figueroa, José; Cadena, Eliseo; Lizárraga, Caleb; "Experimentos con Algoritmos Genéticos para Resolver un Problema Real de Programación Maestros-Horarios-Cursos"; Memories of the 3th Conferencia Iberoamericana en Sistemas, Cibernética e Informática; pp 388-393,

Orlando, Florida, July 2004.

OTHER EXTRA COURSES RECEIVED

February 2011 Seminar on New Trends on Intelligent Systems and Soft Computing, University of Granada.
September 2009 International Conference on Automated Planning and Scheduling, Thessaloniki, Greece.
September 2009 Summer School on Automated Planning and Scheduling; Thessaloniki, Greece.
February 2009 Seminar on New Trends on Intelligent Systems and Soft Computing, University of Granada.
February 2008 Seminar on New Trends on Intelligent Systems and Soft Computing, University of Granada.
April 2004 XIV Escuela de Optimización y Análisis Numérico in Universidad Juárez del estado de Durango.
October 2003 XXXVI Congreso Nacional de la Sociedad Matemática Mexicana
June 2003 Taller de Modelación de Matemática e Industria, in Universidad Autónoma de Querétaro.
March 2003 XIII Escuela de Optimización y Análisis Numérico in Universidad Autónoma de Coahuila.
March 2002 XII Escuela de Optimización y Análisis Numérico in Universidad Michoacana de San Nicolas de Hidalgo.
February 2002 XII Semana Regional de Investigación y Docencia en Matemáticas in Universidad de Sonora.
October 2001 IV Concurso Estatal de Informática a Nivel Superior; Hermosillo, Sonora.

TALKS

April 2004 "Algoritmos Genéticos para Programación Maestros-Horarios-Cursos", ENOAN 2004, in Universidad Juárez del Estado de Durango.
"El Portal de las Matemáticas en México", Congreso de la Sociedad Matemática Mexicana, in Universidad Autónoma del Estado de Hidalgo.
March 2003 "El Portal de las Matemáticas en México", ENOAN 2003, in Universidad Autónoma de Coahuila.

WORK EXPERIENCE

June 2002 – 2006 Registered freelance with registry number (in Mexico, R.F.C) FIMJ8211299X4, offering services like sell and maintenance of informatic equipment, installation and maintenance of networks, system administrator, backup solutions, software development (web applications) and consulting on informatics.
August 2004 Member of the development project for make a Web Application for Business Management. The project was halted in 2007.
August 2004 Freelance development of a Web Application for the integral manage of the insurance agency Vivatranquilo from Comercial América. Finished in 2005.
February 2004 Member of the development team that made the Web site for the "ENOAN 2004 (Escuela Nacional de Optimización y Análisis Numérico)", directed by Pedro Flores Pérez from the Universidad de Sonora.
September 2003 1st Semana Universitaria de Computación de la Universidad de Sonora, Seguntrol project.
August 2003 Member of the development team that made the Web site for the "Sociedad Matemática Mexicana", directed by Pedro Flores Pérez from the Universidad de Sonora.

LANGUAGES

English Reading 90%, Writing 80%, Conversation 80%

SOFTWARE KNOWLEDGE

Specialized in software development, collaboration support, web applications, model-based development techniques, planning based decision support systems and intelligent web systems. Open source supporter. MS Windows 7 as host system (mainly because driver issues with open source OS), OpenBSD as guest system (VirtualBox) used for everything important.

Web development

Professional knowledge and experience on web development, open source tools, languages and technologies, web services, user interface usability, ORM's, web frameworks and javascript libraries. Average experience with CakePHP, Symphony, Django, Web.py, Pylons. Professional experience with Codelgniter and Ruby on Rails.

Programming languages:

Professional: *PHP, Javascript, CSS, Clojure, Ruby, Python.*

Advanced: Java, C.
Average: C++, Common Lisp, Scheme, Tcl/Tk.

Editors and IDEs:
The unix command line and Vim.

Other languages:
SQL, Mozilla XUL, HTN-PDDL (Planning Domain Description Language).

Database managers:
Sqlite, Mysql, PostgreSQL, Db4o. Managed from the command line.

Operative Systems:
OpenBSD Advanced.
Linux Professional.
Windows Professional (98/XP/2003/Vista/7).
FreeBSD Advanced.

DISCLOSURE OF SCIENCE AND SOCIAL SERVICES

2008 – 2011 Social Service through teaching Spanish and Computing basis to immigrants at Cáritas Parroquial Santa María Micaela.