



Martín Fallas

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📅 **Date of birth** 08 November 1988

👤 **Marital Status** Married

🇸🇩 **Nationality** Costa Rican

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Summary

Software Engineer with experience and interest in software development and software project management. With expertise in web technologies, java and data bases, familiar with a wide variety of programming languages. Key Skills: PHP, JavaScript, Java, C++, SQL.

Professional Experience

December 2014 -Present

Main Activities

Deutsches Forschungszentrum für Künstliche Intelligenz GmbH

Saarland University, Germany

- Development, maintenance and testing *Visual SceneMaker*: an authoring tool for modelling of verbal and non-verbal behaviour of Virtual Characters and robots

Keywords: Java, Swing, GUI Design, GIT. (<http://scenemaker.dfki.de/>)

October 2013 – February 2014

Main Activities

Max Planck Institut für Informatik

Saarland University, Germany

- Development of **Ubic**: a security system on Google Glass using computer vision and cryptographic techniques to provide security in verification, content hiding or identification scenarios.
- Redesign and development of CGAT: a Calibration-Free Gaze-Based Authentication for Tablet Devices

Keywords: Java, Android, GDK Kit, SVN, OpenCV, C++, Gaze Tracking

28 July 2011 – 31 May 2013

Main Activities

Information Technologies Professional

Costa Rica Institute of Technology, Cartago (Costa Rica)

- Project Leader, developer and researcher of **Project GAAP**: evaluation's system for E-learning platforms (.LRN LMS) including serious games and non-assessed activities
- Maintenance and optimization of server: Linux, Apache, AOLServer

Keywords: PHP5, JavaScript, CSS3, HTML, PostgreSQL, Web Services

Education And Training

2013 – 2016

Academic Goal

Master - Computer Science

Universität des Saarlandes, Saarbrücken(Germany)

Deepen in the understanding of computer science with emphasis in Software Engineering and Security of software in the development process. Computer Vision was also important part of my studies and my current Master Thesis.

2007 – 2011

Academic Goal

Bachelor - Computing Science

Costa Rica Institute of Technology, Cartago (Costa Rica)

Specialize in understanding, designing, developing and testing software projects, with the best development techniques, patterns and methodologies, using many programming languages from back to front-ends.

Trainings

2012	HTML5 Training
2012	Tools for Project Planning
2012	Using TEC-Digital platform in virtual learning environments
2011	Projects formulation and evaluation
2011	Android Applications Development
2011	Writing scientific papers
2011	Advanced Programming in Open ACS / .LRN
2004 – 2006	Junior Computer Networks Technician

Personal Skills

Spanish	Native
English	C1 – TOEFL IBT
German	B2
Italian	A1
Levels: A1/A2: Basic user - B1/B2: Independent user - C1/C2: Proficient user Common European Framework of Reference for Languages	

Job-related skills

Programming Skills	Data Bases	Platforms, OS and Libs	Development Tools
<ul style="list-style-type: none">○ PHP, JavaScript○ HTML, XML, CSS3○ Java EE○ Python○ C++, C#○ Automatic Testing: PHPUnit, Pyntch○ Automatic Debugging	<ul style="list-style-type: none">○ PostgreSQL○ MySQL○ SQL Server○ Oracle○ Web Services○ Modelling and Querying	<ul style="list-style-type: none">○ Android SDK○ OpenCV, Processing○ PhoneGap○ Open ACS/.LRN○ Joomla, Drupal○ Linux, Android, Mac OS, Windows	<ul style="list-style-type: none">○ NetBeans○ Visual Studio 2013○ Eclipse○ GIT, SVN

Soft skills

Project management	Good communication
Team leadership	Good ability to adapt to new environments

Publications

Fallas Hidalgo, M. I., Serrato-Romero, J., Garita Rodríguez, C., & Chacón Rivas, M. (.). Learning Activities Management for E-Learning Platforms.

Serrato-Romero, J., Fallas Hidalgo, M. I., Garita Rodríguez, C., & Chacón Rivas, M. (2013, September 5). Evaluación y Selección de Aplicaciones de Actividades de Aprendizaje y Juegos en E-Learning. Conferencia Conjunta Iberoamericana sobre Tecnologías para el Aprendizaje (CCITA 2013)

Mora, I., Fallas Hidalgo, M. I., Garita Rodríguez, C., & Chacón Rivas, M. (2012, December 4). A Learning Activities Management Tool for English Teaching. Third Costa Rican Conference of Teachers of English

Ramírez Vega, A., Fallas Hidalgo, M. I., & Chacón Rivas, M. (2012, June 21). Motor de Juegos para la creación de evaluaciones en E-Learning. CISTI 2012.

Other Information

Association of Informatics and Computing Professionals (CPIC), Member since 2011.