



## Martín Fallas

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📅 **Date of birth** 08 November 1988

💍 **Marital Status** Married

🇸🇩 **Nationality** Costa Rican

### Summary

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

<i>Spanish</i>	Native
<i>English</i>	C1 – TOEFL IBT
<i>German</i>	B2
<i>Italian</i>	A1
<a href="#">Levels: A1/A2: Basic user - B1/B2: Independent user - C1/C2: Proficient user</a> <a href="#">Common European Framework of Reference for Languages</a>	

## Job-related skills

**Programing languages:** PHP, JavaScript, HTML, XML, CSS3, TCL, C++, ASP, C#, Java, Python  
**Data bases:** PostgreSQL, SQL Server, MySQL, Oracle  
**Operating Systems:** Linux, Android, Mac OS, Windows  
**Other knowledge:** Web Security, Software Testing, Software Engineering  
**Other Platforms:** Open ACS/. LRN, Joomla, Drupal, Android SDK.  
**Other Tools:** NetBeans, Eclipse, Visual Studio, GIT, SVN, PhoneGap

## 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.