

# Sergio Morales Esquivel

*Born April 14, 1989*

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CONTACT INFORMATION	<i>location:</i> San José, Costa Rica <i>mobile:</i> (+506) 8885-4764	<i>e-mail:</i> sergiome@gmail.com <i>online:</i> github, linkedIn
LANGUAGE KNOWLEDGE	Spanish (native) English (advanced, fluent)	
INTERESTS	<b>Main:</b> AI & Machine Learning, Mobile Computing, Game Development <b>Others:</b> Photography, Astronomy, Travel, Open/Free Software and Hardware	
EDUCATION	<b>Instituto Tecnológico de Costa Rica</b> ITCR, Cartago, Costa Rica <i>M.Sc., Computer Science</i> <b>July 2011 to Present</b> <i>B.Sc., Computer Engineering</i> <b>February 2007 to February 2011</b>	
TECHNICAL KNOWLEDGE	<b>Programming:</b> ActionScript, C, C++, Erlang, Haskell, Java, LISP/Scheme, Lua, .NET, Obj-C, Perl, Python, UNIX shell scripting & others. <b>Web Development:</b> CSS, HTML, JavaScript, JSP, PHP, XML. <b>SDKs &amp; OSs:</b> Android SDK, iOS, Arduino, GNU/Linux, Microsoft Windows, OS X. <b>Others:</b> $\text{\TeX}$ ( $\text{\LaTeX}$ , $\text{\BibTeX}$ ), version control systems (Git, Subversion), project tracking software & other common productivity packages.	
PUBLICATIONS	S. Morales and C. Jenkins. <i>Free Source Alternatives and Technology Demonstration</i> . II Congreso de Computación para el Desarrollo, 2009, ITCR, San Carlos, Costa Rica. A. Szabooba, O. Kuzelka, F. Zelezny, S. Morales and J. Tolar. <i>Prediction of DNA-binding Propensity of Proteins by the Ball-Histogram Method</i> . The 7th International Symposium on Bioinformatics Research and Applications, 2011.	
PROFESSIONAL EXPERIENCE	<b>Growth Acceleration Partners</b> San José, Costa Rica <i>Mobile Software Engineer</i> <b>December 2013 to Present</b> <ul style="list-style-type: none"><li>• Design and development of complex Android, Android Wear and iOS applications, as well as backend solutions for complex multi-tiered architectures.</li><li>• Component design, development and integration for multimedia apps with audio streaming, augmented reality, geofencing and other specialized capabilities.</li><li>• Collaboration in new technology research and development initiatives.</li></ul> <b>Instituto Tecnológico de Costa Rica</b> ITCR, San José, Costa Rica <i>Professor / Lecturer, Computer Science Faculty</i> <b>2013</b> <ul style="list-style-type: none"><li>• Lecturing for two entry-level university courses for the Computer Science B.Sc. program.</li></ul> <b>Cecropia Solutions</b> San José, Costa Rica <i>Embedded Systems and Mobile Software Engineer</i> <b>January 2013 to Present</b> <ul style="list-style-type: none"><li>• Software design and development of multimedia Android and iOS applications.</li><li>• Software design and development on embedded Linux Devices.</li><li>• On-site development and testing around the US.</li></ul>	

PROFESSIONAL  
EXPERIENCE  
(CONT.)

### **RidgeRun Embedded Solutions** Cartago, Costa Rica

*Embedded Systems and Mobile Software Engineer* **April 2011 to December 2012**

- Software development of multiple projects on mobile embedded Linux platforms.
- Active participation in project meetings with clients around the world.

### **Intelligent Data Analysis Research Lab**

**Czech Technical University** CVUT, Prague, Czech Republic

*Internship at IDA Research Lab* **September 2010 to February 2011**

- Software development in a bioinformatics and machine learning research project .
- Regular participation in progress meetings with other researchers.
- Participation and collaboration with the CVUT International Students Club.

### **Instituto Tecnológico de Costa Rica** ITCR, Cartago, Costa Rica

*Iberoamerican Mathematics Olympics Resource Management Application* **February 2010 to July 2010**

- Design and development of the event's registration and logistics webpage.

*Electronic Vote Project Tribunal Supremo de Elecciones* **August 2009 to January 2010**

- Design and development of voter registration application.

(SOME)  
ADDITIONAL  
ACTIVITIES

### **Independent Development**

*Sushi Go! Scorekeeper* **May 2016**

- Scorekeeping app for the popular Sushi Go! card drafting game by Gamewright.

*#triviaCR* **December 2013**

- Interactive trivia application developed for University of Costa Rica's *Ojo Al Voto* project.

*Ludum Dare Competition Entries* **April & December 2012, August 2013**

- Personal entries for the Ludum Dare 48-hour solo game development competitions.

*Global Game Jam Entries* **January 2012, 2013, 2014**

- 48-hour team-based game development marathons with other Costa Rican developers.

### **ITCR Free Software Community** CSL-TEC, Cartago, Costa Rica

*Free Software introductory courses* **February 2010 to 2012**

- Gave basic FS related courses to first-level students at ITCR's computer faculty.

*Panama Mini Debian Conference 2010* **March 2010**

- Attended "Minidebconf" in Panama, sponsored by the Debian Project.

### **Red Costarricense de Software Libre**

**Costa Rican Free Software Community** RCSL, Costa Rica

*II Encuentro Centroamericano de Software Libre* **July 2010**

*Festival Latinoamericano de Instalación de Software Libre* **April 2008, 2009, 2010**

*II Congreso de Computación para el Desarrollo* **July 2009**

- Open Source Alternatives and Technologies Talk and Demonstration.

*Software Freedom Day* **September 2008, 2009**

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