

Sergio Morales Esquivel

Born April 14, 1989

CONTACT	<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 SKILLS	Spanish (native) English (advanced, fluent)	
INTERESTS	Tech: Data Science, Machine Learning, Ubiquitous Computing Others: Photography, Astronomy, Travel, Open/Free Software and Hardware	
EDUCATION	Instituto Tecnológico de Costa Rica ITCR, Cartago, Costa Rica <i>M.Sc., Computer Science</i> July 2011 to August 2016 <i>B.Sc., Computer Engineering</i> February 2007 to February 2011	
TECHNICAL KNOWLEDGE	Programming: C/C++, Haskell, Java, Lua, .NET, Perl, Python, R, UNIX Bash & others. SDKs & OSs: Android, iOS, Arduino, GNU/Linux, Microsoft Windows, OS X. Others: Python/R packages for data ingestion, wrangling, visualization and modeling, AWS (Lambda, API Gateway, Cognito, Dynamo, others), L ^A T _E X, Git, 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	Growth Acceleration Partners San José, Costa Rica <i>Senior Software Engineer/Data Scientist</i> December 2013 to Present <ul style="list-style-type: none">• Team leadership for data science and analytics projects, including team recruiting, onboarding events, pipeline architecture and client requirements identification. Various other contributions to the analytics practice.• Design and development of complex Android, Android Wear and iOS applications.• Design and development of robust backend solutions for complex, multi-tiered micro-service architectures.• Component design, development and integration for multimedia apps with audio streaming, augmented reality, geofencing and other specialized capabilities.• Collaboration in new technology research and development initiatives. Universidad Cenfotec , San José, Costa Rica <i>Professor / Lecturer</i> August 2017 to Present <ul style="list-style-type: none">• Basic-Intermediate-Advanced Android Development courses.• Data science courses with Python and R for postgraduate Data Science program. Instituto Tecnológico de Costa Rica ITCR, San José, Costa Rica <i>Professor / Lecturer, Computer Science Faculty</i> 2013 <ul style="list-style-type: none">• Lectured for two entry-level university courses for the Computer Science B.Sc. program.	

PROFESSIONAL
EXPERIENCE
(CONT.)

Cecropia Solutions San José, Costa Rica

Embedded Systems and Mobile Software Engineer **January 2013 to December 2013**

- Software design and development of multimedia Android and iOS applications.
- Software design and development on embedded Linux Devices.
- On-site development and testing around the US.

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 prototype 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.

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**

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

- Open Source Alternatives and Technologies Talk and Demonstration.