SERGIO SABORÍO T.

COMPUTER ENGINEER

e: ssergio92@gmail.com
http://sergiosaborio.com/
https://github.com/tser91
linkedin.com/
(+506) 8843-4928

Education

Udacity
Android Developer Nanodegree **2015 - Present**

Instituto Tecnológico de Costa Rica (ITCR/TEC)
Licentiate Computer Engineer **2009 - 2015**

Skills

OS: OS X, Windows, Linux, Android, iOS	Languages: Spanish, English, Portuguese (basic), German (basic)	Programming: C/C++, C#, Java, Python, Assembly
Embedded boards	DB: SQL, no SQL	Data Structures & Algorithms
Git	Agile Development	Software Design

Projects

Going on App
https://github.com/Gia08/MovilesGoingOn **2015 - Present**

- Work in progress: Android App for phones that allows users to learn about new events in the city; private project.
- Developed back-end using Microsoft Azure for cloud storage, Git for version control, SQL database (personally designed), and external API services from Google Maps, Facebook and Waze.
- Coded for Android phones, using Eclipse IDE and Android Studio in Windows, OS X and Linux environments.

Popular Movies
https://github.com/tser91/Popular_Movies_1 **2015**

- Android app for phones and tablets to allow end-users to discover movies, trailers, and reviews, and share and save their favorites; Udacity Nanodegree project.
- Developed both back-end and front-end; version control using Git.
- Coded for Android phones and tablets using Android Studio in an OS X environment.
- TheMovieDB external API used to get external movie's information.
- Designed and implemented SQLite DB with content providers.

Buen Ride App
https://github.com/Alebmurillo/BuenRideApp **2014 - Present**

- Work in progress: iOS App for iPhone that allows users to search for car pooling options in the vicinity; university project for Mobile Development course.
- Developed Front-End with storyboard system of xCode in a OS X environment; version control using Git.

Experience

Hewlett-Packard
Software/Embedded Engineer at Networking R&D **2015 - Present**

- Developing new features and programming tests for a networking ASIC with C/C++ language.
- Implementing functionalities in an Scrum environment consisting of daily team work and fast problem solving.
- Automatized Google tests along with job testing using Jenkins, to maintain code quality over time.

Finance Officer, Leadership Team, Pride Employee Resources Group **2014 - Present**

- Planned quarterly budget usage for all ERG activities of the country, managing over $12000 a year.
- Coordinated with various business units, countries and cultures, to plan volunteer activities with over 50 participants for each event; 6 major events were planned from November 2014 to October 2015.
- Led initiatives for HP's support for national pro-human rights events, such as participation and co-design of truck for the LGBT national parade making HP the first enterprise in the country to participate with a truck and managed $8,500 budget.

Intern Networking Research & Development **2014**

- Formulated and implemented an OpenFlow agent (Indigo) to allow a data path connection between an HP Networking ASIC and an OpenFlow controller.
- Programmed SDK functions on C for a Networking ASIC to allow a high level proprietary software to program the hardware using the corresponding methods.

Publications

Implementación Iterativa en Hardware de un Algoritmo deBúsqueda de Distancia Más Corta Utilizando Árboles KD
Simposio Argentino de Sistemas Embebidos (SASE), Buenos Aires, Argentina **2012**

- Hardware Iterative Implementation of a Shortest-Distance Search Algorithm Using KD Trees: Using HDL Verilog, a Spartan-3 board (FPGA) was set up to execute a Shortest-Distance Search Algorithm, using "KD" Trees Data Structure.