# SERGIO SABORÍO T.
*COMPUTER ENGINEER*

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## 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.