Juan CamiloArévalo Arboleda

Personal Profile

Personal detail

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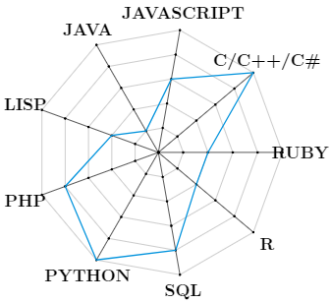
Git

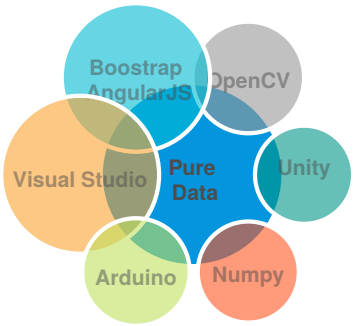
arevaloarboled

Programming



Years of experiences.

Frameworks and tools



OS Preference

GNU/Linux ★★★★★
Windows ★★★★☆
MacOS ★★★☆☆

Summary

I am a computer science student (in final semester) with an emphasis in animation, interactive system, and the web oriented to computation. Mainly interested in music information retrieval, web back-end development, video games design, software development, machine learning and data mining. I am disciplined, proactive, responsible, acquisitive and with excellent analytical skills. I stand out for an excellent performance in programming code.

Education

Currently - 07/2012 **Computer Science Student** — Pontificia Universidad Javeriana Cali
Program with ABET international accreditation
Expected graduated in June 2018
GPA 3.71/5

Experience

12/2014 - 08/2014 **Research Assistant** — Pontificia Universidad Javeriana Cali
Researched, designed and implemented an algorithm capable to find Salsa's choirs efficiently to be compressed in a database using Salsa songs with the fundamental characteristics.

08/2016 - 06/2016 **Research Assistant** — Pontificia Universidad Javeriana Cali
Designed and implemented data base that research "Investigación histórica y representación digital accesible. El patrimonio artístico durante la guerra civil y posguerra". Project I+D+i Economy and Competitiveness Ministry of Spain (http://pgp.ccinf.es/PGP//). And " Glosario social multimedia de innovación educomunicativa y TIC". Project innovation and improvement of the teaching quality of University Computense from Madrid (http://www3.uah.es/proyectogse/glosario/frontend/web/).

Accepted papers & conferences

Paper

Camilo Arévalo, Gerardo M. Sarria M., Mario Mora, Carlos Arce-Lopera.
Towards an Efficient Algorithm to Get the Chorus of a Salsa Song.
IEEE International Symposium on Multimedia (ISM2015), Miami, FL, USA 2015.
A well-known musical genre and part of Latin-American cultural identity is Salsa. To be able to perform a scientific analysis of this genre, the first step to take is to analyze the structure of Salsa songs. Furthermore, the most representative part of Salsa is the chorus. In this paper we detail the design and implementation of an algorithm developed for getting the chorus of any Salsa song.

Languages

Spanish (Native)
English (B1)

RDBMS

MySql ★★★★★
PostgreSQL ★★★★★
Oracle XE ★★☆☆☆
SQLserver ★☆☆☆☆

Poster

A.A. Navarro Newball, I. Moreno Sánchez, B. Barinaga López, D.F. Loaiza, L.S. Osorio, F.D. Paredes, J. C. Arévalo, S. Juri, E.M. Amézquita, V.E. Contreras.
Developing a Narrative Database for Spanish Art Starting from the End.
12th Colombian Conference on Computing (12CCC), Cali, Valle, Colombia 2017.
This project is aimed at tracking Spanish art removed from its place during the Spanish civil war. We present a database capable of holding over forty thousand pieces of art to know their information before the war, during the war and after the war. The database is a collaborative environment where art researches all over the world can contribute with their knowledge.

Honors & awards

2016 **JavAtar 2016 "Aventura al corazón del planeta"** Judge
Judge of this festival inter-school in which participants build a video game that allow to reflect on the environment

2016 **Latin American Contest South America / North Regional ACM-ICPC ranked 8th** Contestant
Member of team CodeBreakers in competitive league programming

2016 **Colombian Programming Contest ACIS-REDIS ranked 18th** Contestant
Member of team CodeBreakers in competitive league programming

2015 **Latin American Contest South America / North Regional ACM-ICPC ranked 20th** Contestant
Member of team CodeBreakers in competitive league programming

2015 **Colombian Programming Contest ACIS-REDIS ranked 19th** Contestant
Member of team CodeBreakers in competitive league programming

2014 **Honorable mention in the Latin American Contest South America / North Regional ACM-ICPC** Contestant
Member of team CodeBreakers in competitive league programming

2014 **Colombian Programming Contest ACIS-REDIS ranked 19th** Contestant
Member of team CodeBreakers in competitive league programming

2013 **Latin American Contest South America / North Regional ACM-ICPC ranked 24th** Contestant
Member of team CodeBreakers in competitive league programming

2013 **Colombian Programming Contest ACIS-REDIS ranked 31th** Contestant
Member of team CodeBreakers in competitive league programming

Other information

I have been research monitor of investigation group DESTINO in the Pontificia Universidad Javeriana Cali, in which I have had the opportunity to work on 2 projects.

I like the music, for this reason, I have been playing bass for 8 years. Currently, I am a member of the representative rock and pop group in the Pontificia Universidad Javelina Cali, Deux Ex Machina and Agape respectively. Additionally, in other two groups of heavy metal with our proposals under the supervision of Europa Escenario Estudio, Symmethree and Outbreak(ⓕ Outbreak Rock Band).

February 28, 2018

Camilo Arévalo