Juan Camilo Arévalo Arboleda
Curriculum Vitae

Personal detail

- 🌐 Colombian
- 🏠 965-0005
  Nali heights No. 203,
  Wakanishi 213-5, Kamega,
  Ikki machi, Aizu-wakamatsu,
  Fukushima ken, Japan
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Git

arevaloarboled

Programming

JAVASCRIPT, JAVA, C/C++/C#, LISP, RUBY, PHP, R, PYTHON, SQL

Years of experience

Frameworks and tools

Pure Data	●●●●
Unity	●●●●
MATLAB	●●●○
Arduino	●●●○
Boostrap & AngularJS	●●●○
OpenMPI/OpenMP	●●●○
OpenCV	●●○○
NodeJS	●●○○
Docker	●○○○

Languages

Spanish	**(Native)**
English	**(Fluent)**
Japanese	**(Conversational)**

Personal profile

I have a bachelor in computer science with experience in animation, interactive systems, and web-oriented computation. I am mainly interested in music information retrieval, speech recognition, web back-end development, VR development, software development, machine learning, and data mining. I am disciplined, proactive, responsible, acquisitive and with excellent analytic skills. I stand out for excellent performance in programming code.

Education

Currently – 04/2019	**Master Student in Computer Science** Research topic: Sound spatialisation GPA 4.0/4.0	University of Aizu
11/2018 – 07/2012	**Bachelor of Computer Science** *Cum Laude*, GPA 3.81/5 Program with ABET international accreditation	Pontifical Xavierian University Cali

Experience

Currently – 04/2019	**Teacher Assistant** Assist in the practical and theoretical lectures of computer science undergraduate courses. Such as: Virtual reality, Sound and audio processing and C++ programming. Tasks: preparing material, solve doubts and grading exercise.	University of Aizu
12/2018 – 06/2018	**Research Assistant** Built an online game *"Tramas: parques intercultural,"* as a didactic tool to promote the intercultural dialogue.	Pontifical Xavierian University Cali
11/2018	**Internship** Researched and implemented a tracking map for artworks of artistic heritage value during the Spanish civil war and the postwar.	University Complutense of Madrid
08/2016 – 06/2016	**Research Assistant** Developed an digital representation of Spanish pieces of art for historical research.	Pontifical Xavierian University Cali
12/2014 – 08/2014	**Research Assistant** Researched, designed, and implemented an algorithm capable of finding salsa song choruses for the construction of a data set.	Pontifical Xavierian University Cali
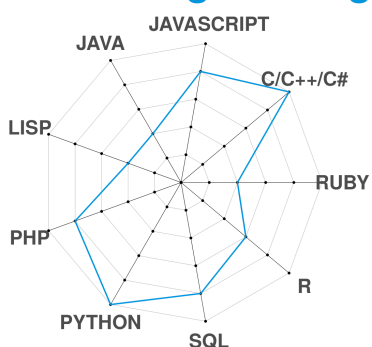
Publications

Accurate Spatialization of VR Sound Sources in the Near Field.
Undergraduate thesis
Camilo Arévalo, Gerardo M. Sarria M., Julián Villegas.
AES Int. Con. on Spatial Reproduction - Aesthetics and Science (Tokyo, Japan) 2018.

Developing a Narrative Database for Spanish Art Starting from the End.
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.
12th Colombian Conference on Computing (12CCC), Cali, Colombia 2017.

Towards an Efficient Algorithm to Get the Chorus of a Salsa Song.
Camilo Arévalo, Gerardo M. Sarria M., Mario Mora, Carlos Arce-Lopera.
IEEE International Symposium on Multimedia (ISM2015), Miami, FL, USA 2015.

🖥 OS Preference 🏆 Honors & awards

GNU/Linux 🐧 🐧 🐧 🐧

Windows ⊞ ⊞ ⊞ ⊞

MacOS 🍎 🍎 🍎 🍎

2018 **3rd prize in Expo poster REDIS South West Node 2018**
Research graduation contest held by 21 undergraduate Computer Science programs institutions in Colombia

🗄 DBMS
Sql DB

MySql ●●●●

PosgreSQL ●●●○

Oracle XE ●●○○

No sql DB

MongoDB ●●○○

2016 **Ranked 8th in the ACM International Collegiate Programming Contest (ICPC) South America / North Regional 2016**
Member of *"CodeBreakers"* team

2016 **Ranked 18th in the Colombian Programming League Contest ACIS-REDIS 2016**
Member of *"CodeBreakers"* team

2015 **Ranked 20th in the ACM International Collegiate Programming Contest (ICPC) South America / North Regional 2015**
Member of *"CodeBreakers"* team

2015 **Ranked 19th in the Colombian Programming League Contest ACIS-REDIS 2015**
Member of *"CodeBreakers"* team

2014 **Honorable mention in the ACM International Collegiate Programming Contest (ICPC) South America / North Regional 2014**
Member of *"CodeBreakers"* team

2014 **Ranked 19th in the Colombian Programming League Contest ACIS-REDIS 2014**
Member of *"CodeBreakers"* team

2013 **Ranked 24th in the ACM International Collegiate Programming Contest (ICPC) South America / North Regional 2013**
Member of *"CodeBreakers"* team

2013 **Ranked 31th in the Colombian Programming League Contest ACIS-REDIS 2013**
Member of *"CodeBreakers"* team

April 5, 2020

Camilo Arévalo