



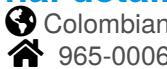
Juan Camilo Arévalo Arboleda

Curriculum Vitae

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, 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.

Personal detail



Colombian



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Education

Currently – 04/2019 **Master Student in Computer Science**
GPA 95/100

University of Aizu

11/2018 – 07/2012 **Bachelor of Computer Science**
Cum Laude, GPA 3.81/5
Program with ABET international accreditation

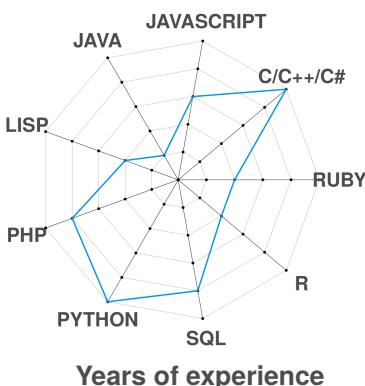
Pontifical Xaveriana University Cali



Experience

arevaloarboled

Programming



Currently – 04/2019 **Teacher Assistant**

University of Aizu

Assist in the practical and theoretical lectures of computer science undergraduate courses. Tasks: preparing material, solve doubts and grading exercise.

12/2018 – 06/2018 **Research Assistant**

Pontifical Xaveriana University Cali

Built an online game “Tramas: parques intercultural,” as a didactic tool to promote the intercultural dialogue.

Internship

University Complutense of Madrid

Researched and implemented a tracking map for artworks of artistic heritage value during the Spanish civil war and the postwar.

08/2016 – 06/2016 **Research Assistant**

Pontifical Xaveriana University Cali

Developed an digital representation of Spanish pieces of art for historical research.

Frameworks and tools

12/2014 – 08/2014 **Research Assistant**

Pontifical Xaveriana University Cali

Researched, designed, and implemented an algorithm capable of finding salsa song choruses for the construction of a data set.

Pure Data



Unity



MATLAB



Arduino



Bootstrap & AngularJS



OpenMPI/OpenMP



OpenCV



NodeJS



Docker



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.

OpenCV

NodeJS

Docker

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.

Languages

Spanish

(Native)

Towards an Efficient Algorithm to Get the Chorus of a Salsa Song.

English

(B2)

Camilo Arévalo, Gerardo M. Sarria M., Mario Mora, Carlos Arce-Lopera.

Japanese

(N4)

IEEE International Symposium on Multimedia (ISM2015), Miami, FL, USA 2015.

Honors & awards

OS Preference

GNU/Linux		2018	3rd prize in Expo poster REDIS South West Node 2018 Research graduation contest held by 21 undergraduate Computer Science programs institutions in Colombia
Windows			
MacOS		2016	Ranked 8th in the ACM International Collegiate Programming Contest (ICPC) South America / North Regional 2016 Member of "CodeBreakers" team

DBMS Relational DB

MySQL		2016	Ranked 18th in the Colombian Programming League Contest ACIS-REDIS 2016 Member of "CodeBreakers" team
PostgreSQL			
Oracle XE		2015	Ranked 20th in the ACM International Collegiate Programming Contest (ICPC) South America / North Regional 2015 Member of "CodeBreakers" team

No relational DB

MongoDB		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

January 30, 2020

Camilo Arévalo