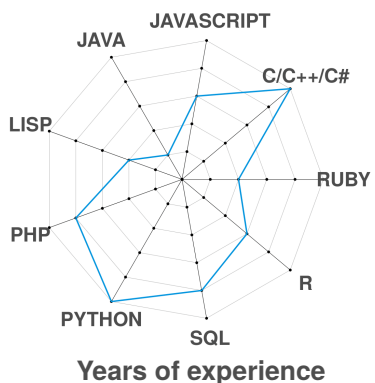# Juan Camilo Arévalo Arboleda
Curriculum Vitae

Personal detail
Colombian 965-0005
Aizu-Wakamatsu, Japan,
Nali heights No. 203
Wakanishi 213-5, Kamega,
Ikki machi

+81 80 7897 1182

arevaloarboled@
hotmail.com, gmail.com
m5231113@
u-aizu.ac.jp

Git
arevaloarboled

Programming

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)**

OS Preference
GNU/Linux
Windows
MacOS

DBMS Relational DB
MySql
PosgreSQL
Oracle XE

No relational DB
MongoDB

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 95.1/100	University of Aizu
11/2018 – 07/2012	**Bachelor of Computer Science** *Cum Laude*, GPA 3.81/5 Program with ABET international accreditation	Pontifical Xaverian 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 Xaverian 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 Xaverian 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 Xaverian 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.

Honors & awards

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

March 23, 2020