



# 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, 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.

### Personal detail

Colombian  
965-0005

Aizu-Wakamatsu, Japan,  
Nali heights No. 203  
Wakanishi 213-5, Kamega,  
Ikki machi

+81 80 7897 1182  
arevaloarboleda@  
hotmail.com, gmail.com  
m5231113@  
u-aizu.ac.jp

### 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



arevaloarboleda

### Experience

Currently – 04/2019 **Teacher Assistant**

University of Aizu

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.

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

Pontifical Xavierian University Cali

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

11/2018

**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 Xavierian University Cali

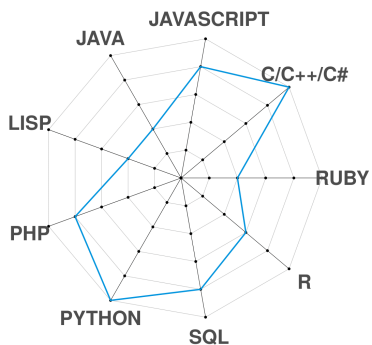
Developed an digital representation of Spanish pieces of art for historical research.

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

Pontifical Xavierian University Cali

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

### Programming



Years of experience

### Frameworks and tools

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.

**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)  
English (Fluent)  
Japanese (Conversational)

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

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

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 Relational DB

MySql



PosgreSQL



Oracle XE



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 3, 2020*

*Camilo Arévalo*