



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
965-0006

Aizu-Wakamatsu, Japan,
The University of Aizu,
Somei House Room 1207
+81 50 6868 9169
arevaloarboleda@
hotmail.com, gmail.com
m5231113@
u-aizu.ac.jp

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



arevaloarboleda

Experience

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.

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 Xaveriana University Cali

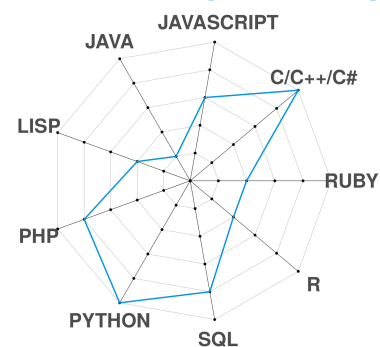
Developed an digital representation of Spanish pieces of art for historical research.

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.

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 (B2)
Japanese (N4)

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.

Honors & awards

OS Preference

GNU/Linux



Windows



MacOS



DBMS Relational DB

MySql



PosgreSQL



Oracle XE



No relational DB

MongoDB



- 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

January 8, 2020

Camilo Arévalo