



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,
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Ikki machi

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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 Xaveriana University Cali



arevaloarboled

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 Xaveriana University Cali

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

11/2018 **Internship**

Years of experience

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

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

Pontifical Xaveriana University Cali

Frameworks and tools

Pure Data



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

Pontifical Xaveriana University Cali

Unity



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

MATLAB



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



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.

NodeJS



Docker



Spanish



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

English



(Fluent) **Camilo Arévalo**, Gerardo M. Sarria M., Mario Mora, Carlos Arce-Lopera.

Japanese



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

English



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

Japanese



(Fluent) **Camilo Arévalo**, Gerardo M. Sarria M., Mario Mora, Carlos Arce-Lopera.

Spanish



(Conversational) **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

Relational DB

MySQL



2016 **Ranked 18th in the Colombian Programming League Contest ACIS-REDIS 2016**

Member of "CodeBreakers" team

PosgreSQL



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

March 18, 2020

Camilo Arévalo