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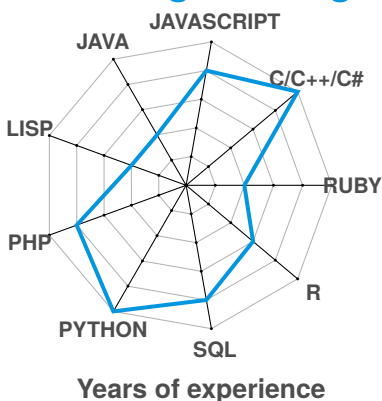


arevaloarboleda



ArevaloCamilo

</> Programming



Frameworks and tools

Pure Data
 Unity
 MATLAB
 Arduino
 Bootstrap &
 AngularJS
 OpenMPI/OpenMP
 OpenCV
 NodeJS
 Docker



A Languages

Spanish (Native)
 English (Fluent)
 Japanese (Conversational)

OS Preference

GNU/Linux
 Windows
 MacOS



DBMS Relational DB

MySQL
 PostgreSQL
 Oracle XE



No relational DB

MongoDB



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.

Education

Currently – 04/2019 **Master Student in Computer Science**

University of Aizu

Research topic: Sound spatialisation
 GPA 4.0/4.0

11/2018 – 07/2012 **Bachelor of Computer Science**

Pontifical Xavierian University Cali

Cum Laude, GPA 3.81/5
 Program with ABET international accreditation

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.

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

2015 **Ranked 20th in the ACM International Collegiate Programming Contest (ICPC) South America / North Regional 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

2013 **Ranked 24th in the ACM International Collegiate Programming Contest (ICPC) South America / North Regional 2013**

Member of “CodeBreakers” team