



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

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Fukushima ken, Japan

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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

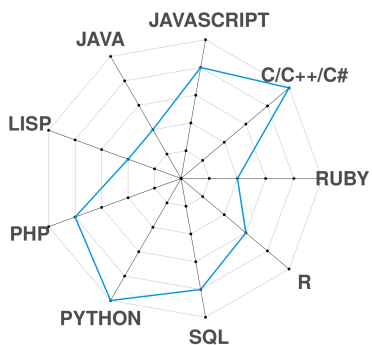


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Experience

- 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: prepare materials, solve doubts and grade exercises.
- 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. Loaza, 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-Lopera.
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



2016

Ranked 8th in the ACM International Collegiate Programming Contest (ICPC) South America / North Regional 2016

Member of "CodeBreakers" team

MySql



PosgreSQL



2016

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

Member of "CodeBreakers" team

Oracle XE



2015

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

Member of "CodeBreakers" team

MongoDB

No sql DB



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 5, 2020

Camilo Arévalo