



# Juan Camilo Arévalo Arboleda

## Curriculum Vitae

### Personal profile

I have a bachelor in computer science with emphasis in animation, interactive systems, and web oriented to 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.

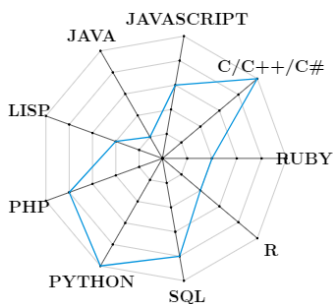
### Education

11/18 - 07/12 **Bachelor of Computer Science** [Pontifical Javeriana University Cali](#)  
*Summa Cum Laude*  
Program with ABET international accreditation  
GPA 3.81/5

### Git

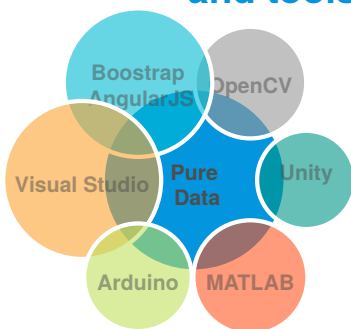
[arevaloarboled](#)

### Programming



Years of experience

### Frameworks and tools



### Languages

Spanish (Native)  
English (B2)

### Experience

12/18 - 06/18 **Research Assistant** [Pontifical Javeriana University Cali](#)  
Built an online game "*Tramas: parques intercultural*," as a didactic tool with the proposal to promote the intercultural dialogue.

11/18 **Internship** [University Complutense of Madrid](#)  
Researched and implemented a map tracker for artworks of the artistic heritage during the civil war and the postwar of Spain using a database to do the historic trace of the artworks.

08/16 - 06/16 **Research Assistant** [Pontifical Javeriana University Cali](#)  
Developed an accessible digital representation of the Spanish pieces of art for historical research of the artistic heritage during the Spanish civil war.

12/14 - 08/14 **Research Assistant** [Pontifical Javeriana University Cali](#)  
Researched, designed and implemented an algorithm capable to find salsa chorus for the construction of a data set.

### Publications

**Accurate Spatialization of VR Sound Sources in the Near Field.**  
**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.*

## OS Preference

GNU/Linux ★★★★★

Windows ★★★★★

MacOS ★★★★★

## RDBMS

MySQL ★★★★★

PostgreSQL ★★★★★

Oracle XE ★★★★★

SQLserver ★★★★★

## Honors & awards

- 2018 **Nomination to Otto de Greiff prize**  
A prestigious national contest of undergraduate projects in Colombia
- 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 **Judge of JavAtar 2016 “Adventure to the heart of the planet” (English)**  
Inter-high school festival in which participants build a video game that allows reflecting on the environment
- 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
- 2012 **3rd prize in Innova Multimedia festival Cali 2012**  
Multimedia festival in which the high-schools of Valle province in Colombia create audiovisual contents promoting the use of ICT in pedagogical processes

May 23, 2019

Camilo Arévalo