Juan Camilo Arévalo Arboleda

M.Sc. Student in Computer Science

@ m5231113@u-aizu.ac.jp   📞 (+81) 050-6868-9169   📍 Aizuwakamatsu, Japan   in ArevaloCamilo   arevaloarboled

Summary

Computer scientist with expertise in animation, interactive systems, web-oriented computation, audio processing, and VR. Experience in international and interdisciplinary research groups. Stand out for excellent performance in programming code and versatility between programming languages and tools.

Experience

Teacher Assistant — University of Aizu
📅 Currently —04/2019   📍 Aizuwakamatsu, Japan

- Assist in the practical and theoretical lectures of computer science undergraduate courses. Such as virtual reality, sound and audio processing, C++ programming, computer graphics, introduction to data management and introduction to multimedia.
- Prepare material for lectures.
- Grade undergraduate courses exercises and quizzes.
- Solve the doubts of the students regarding the courses.

Research Assistant — Pontifical Javeriana University Cali
📅 12/2018 —06/2018   📍 Cali, Colombia

- Built an online game *"Tramas: parques intercultural,"* as a didactic tool to promote the intercultural dialogue.
- Perform user validations.
- Server deploy and administration.

Internship — University Complutense of Madrid
📅 11/2018   📍 Madrid, Spain

- Researched and implemented a tracking map for artworks of artistic heritage value during the Spanish civil war and the postwar.
- Server administration.

Research Assistant — Pontifical Javeriana University Cali
📅 12/2014 —08/2014   📍 Cali, Colombia

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

Education

M.Sc. Student in Computer Science — University of Aizu
📅 Currently —04/2019   📍 Aizuwakamatsu, Japan

Research topic: Sound spatialization, GPA: 4.0/4.0

B.Sc. in Computer Science — Pontifical Javeriana University Cali
📅 11/2018 —07/2012   📍 Cali, Colombia

Cum Laude, GPA: 3.81/5.0. Program with ABET international accreditation.
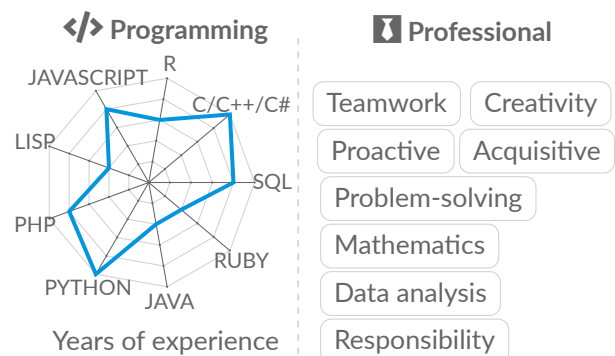
Achievements

3rd prize in Expo poster REDIS South West Node 2018
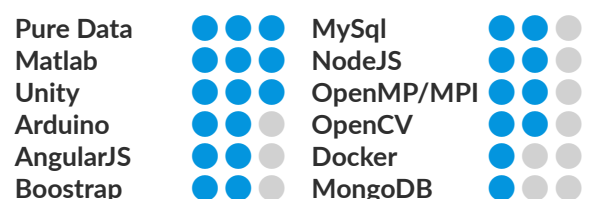Research graduation contest held by 21 undergraduate Computer Science programs institutions in Colombia

Ranked 8th in the ACM International Collegiate Programming Contest (ICPC) South America / North Regional 2016
Member of *"CodeBreakers"* team from 2013 to 2016.

Skills

</> Programming

Years of experience

Professional

Teamwork   Creativity
Proactive   Acquisitive
Problem-solving
Mathematics
Data analysis
Responsibility

🛠 Frameworks & tools

Pure Data	●●●	
Matlab	●●●	
Unity	●●●	
Arduino	●●○	
AngularJS	●●●	
Boostrap	●●○	
MySql	●●○	
NodeJS	●●○	
OpenMP/MPI	●●○	
OpenCV	●●●	
Docker	●●○	
MongoDB	●○○	

Languages

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

Interest

- Music information retrieval
- Audio processing
- Web back/front-end development
- VR/Game development
- Machine learning
- Data mining

July 8, 2020