SARA BEJARANO

COMPUTER SCIENCE STUDENT

CONTACT

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EDUCATION

LOS ANDES UNIVERSITY

Computer systems engineering major
Music minor|
August 2016- April 2021 (Expected)

- GPA: 3,57 **/ 4**
- Academic scholarship QEE for the whole career
- Academic scholarship for Internship to Cornell University

INSTITUTO TECNOLÓGICO DE MONTERREY

Computer systems exchange student|
August 2019- December 2019

- Academic scholarship "Lideres del mañana" on exchange to TEC de Monterrey in Guadalajara, Mexico

LOS ANDES UNIVERSITY

Youth music program|
2011-2014

- Representation of Los Andes in cross-university music festival at Universidad Javeriana

TECHNICAL ABILITIES

- **Java, Python, SQL, C, JavaScript**
- **Express, Django, Flask, AWS EC2, Lambda Functions, Angular, Linux, Git, Java EE, Colab, React.**

AWARDS

Scholarship for talented students
Los Andes University
2016

2nd Place MegaCrew Division
HipHop International Colombia
2015

1st Place Youth Piano Contest
Universidad de los Andes
2014

EXPERIENCE

CORNELL UNIVERSITY | ITHACA, NY, USA

RESEARCH INTERN
**Blossom Project / ShadowSense Project |
June 2019- August 2019**

- Worked in the Blossom project maintaining the web ando mobile app made in **React** and updating the robots code from **Python 2.7 to Python 3.6.** This project consists in a Handcrafted Soft Social Robot.

- Worked in the ShadowSense project developing a **CNN** for shadow gestures recognition using P**ytorch pre-trained models** (**transfer learning).** Shadowsense is a project that looks for new ways of interactions between humans and robots through shadow image recognition.

- Supported in the Shadowsense paper (co-author) by adding technical aspects of the shadow gestures recognition.

LOS ANDES UNIVERSITY| BOGOTA, COLOMBIA

RESEARCH ASSISTANT
**UnaCloud Project|
February 2019 - May 2019**

Implemented transmition tests using a **client-server model.** The server was implemented in **Python 3** and the clients in **Java .** The tests were made using the **BitTorrent protocol** with ttorrent library in **Java.** This was used to optimize the way of sending big files for the UnaCloud Project, which is an opportunistic cloud computing IaaS.

TEACHING ASSISTANT
2016 - 2018

Helped with the grading and teaching of the following classes:
- Electronical Engineering Introduction
- Network Introduction
- Algorithmic and Object Oriented Programming
- Structural Math and Logic

ABEEJA

PERSONAL PROJECT FOR MAINTENENCE
2017- 2019

Created and coordinated a group of students - tutors for supporting the learning of new programmers. Created a platform in Facebook pages where students of higher years use their experience to help new students to face university challenges. This also helped scholarship students to cover their maintenence costs. Mainly focused to **OOP in Java.**