

## Ana María Cárdenas Gasca

am.cardenas926@uniandes.edu.co

mobile number +57 318 7956720

### EDUCATION

Universidad de Los Andes  
Ingeniería de Sistemas y Computación (Systems and Computational Engineering, BS)  
October 2016  
GPA 4.56 / 5  
Diseño (Design, BA)  
March 2018  
GPA 4.56 / 5

### WORK EXPERIENCE

- 01/2017- currently      ImexHS - Bogotá, Colombia  
Research Developer  
Kickstart of a Digital Pathology unit including two main products: Anatomical Pathology Laboratory Information System using web technologies, sensors and laboratory middleware and a Histology Microscope Slide Web viewer.
- 08/2015- 11/2015      Universidad de Los Andes IMAGINE research Group - Bogotá, Colombia  
Undergrad Research Assistant  
Worked on a methodology for short term evaluation of a visualization-based analysis and decision support system using case-studies approach.
- 03/2014 – 06/2014      LasPartes.com - Bogotá, Colombia  
Web Developer  
Worked on an ERP module adaptation for SugarCRM and the integration of the system backend with the new version of LasPartes.com website . Worked on the development of a WebApp for selling car parts online.
- 12/2013 - 02/2013      Google - Mountain View, CA  
IT Intern  
Part of Google's ENGEdu department as Intern. Worked as part of the CS Academy program that recruited 12 female interns from Latin America (I was the only one selected from Colombia) and worked on several internal projects of the program involving the design of a search Engine and some CS related courses.
- 07/2013 - 11/2013      Universidad de Los Andes - Bogotá, Colombia  
Data Structures TA  
Worked on the design, implementation and testing of the database structure class exercises for the 2014-I and 2014-II semesters.

### MAJOR SCHOOL PROJECTS

- 2016      Graduation Project: KPI and Business Intelligence System for a distributed and low connectivity based architecture of hospitals that implement a specific program for preterm (born in less than 37 weeks) born infants. This system seeks to allow each of the hospitals to measure the performance of their implementation of the program and also let a central unit monitor this indicators for all of the hospitals.
- 2015      ROBOCOL - Uniandes Member: I was part of the *Robocol* team (organization that develops robotics prototypes and educational projects) at my university.as a Web

developer. I designed and developed the new Webpage for the group that can be visited at [robocol.uniandes.edu.co](http://robocol.uniandes.edu.co). I also worked as an organizer for a Robotics contest for high schools and worked in the development for an online tutoring website, modified a Wordpress website for this platform.

2014 JSON in the Big O : Worked on a video game to teach programming notions to inexperienced programmers with the use of a finite-state automaton. The game was designed for Android in Java.

## TECHNICAL SKILLS

Programming Languages:

Java	3 years
Javascript	2 years
Python	1 year
Haskell	1 year
PHP	1 year
SQL, XML	3 years

Standards: DICOM, HL7

Platforms: Win 7 (administrator), Linux (administrator)

RDBMS: SQL Server (4 months), MySQL (4 month)

## DESIGN SKILLS

Qualitative Research Techniques

Web Design

Illustration

Video Editing

Applications: Illustrator (advanced), Photoshop (advanced), Autocad (beginner), Autodesk Inventor (Intermediate), After Effects (Intermediate), Unity (Intermediate)

## AWARDS AND LEADERSHIP

2017	Ramón de Zubiría Award, Best GPA from Design department (Universidad de los Andes)
2017	Fulbright Scholar nominee (Fulbright Colombia)
2017	Cum Laude Graduation
2015	Best Upper Education Quality Exam (ECAES) in national ranking for engineering (Ministry of Educacion Colombia)
2014, 2015, 2016	Recipient of Talento Digital Scholarship for undergraduate engineering programs (Ministry of Technology Colombia)
2014	GHC (Grace Hopper Conference) Scholarship and Poster Presenter.
2011	Hijas de Cristo Rey High School Best GPA at Promotion

## VOLUNTEERING

2016, 2017	ColombiaCrece
2017	Word Education in Engineering Forum volunteer organizer