

# María Camila Ángel Flórez

SYSTEMS AND COMPUTING ENGINEER · INDUSTRIAL ENGINEER

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## Summary

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Recent graduate from Universidad de los Andes, with honour degrees in Systems and Computing Engineering and Industrial Engineering. Experience as Teaching Assistant in five software development-related courses at Universidad de los Andes, as well as software engineer in two internships undertaken both in academic and industrial environments. Solid academic performance, strong work ethics and willingness to learn. Back-end programming experience in Java, Python, PHP and Ruby on Rails. Front-end programming experience in JavaScript, HTML5, CSS3, JQuery and AngularJS. Mobile programming experience in Android and iOS.

## Education

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### Systems and Computing Engineering - Summa Cum Laude

*Bogotá, Colombia*

UNIVERSIDAD DE LOS ANDES

*Aug. 2011 - Oct. 2017*

- **Cumulative GPA:** 4.71/5.0
- **Thesis:** Conception and development of web application to store and visualize medical images.

### Industrial Engineering - Summa Cum Laude

*Bogotá, Colombia*

UNIVERSIDAD DE LOS ANDES

*Aug. 2011 - Oct. 2017*

- **Cumulative GPA:** 4.71/5.0
- **Thesis:** Two-phase algorithms for the vehicle routing problem with scarce, reusable resources in the cattle industry.

## Experience

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### CREATIS - Internship

*Lyon, France*

SOFTWARE ENGINEERING INTERN

*Sep. 2015 - Jul. 2016*

- Implemented a web application to store and visualize medical data and images using a PHP based open source platform.
- Developed two visualization modules to render stacks of 2D Dicom images and 3D Nifti volumes, using Cornerstone and Brainbrowser.
- Implemented a patient search module using Solr as search engine.

### Bizagi - Internship

*Bogotá, Colombia*

JUNIOR FRONT-END DEVELOPER

*Jan. 2015 - Jul. 2015*

- Developed new features for the latest version release of Bizagi Studio and the desktop and mobile versions of Bizagi's Work Portal.
- Fixed bugs found by the QA team in previous versions of the software.

### Universidad de los Andes - Undergraduate Teaching Assistant

*Bogotá, Colombia*

COURSES: ALGORITHMS AND OBJECT ORIENTATED PROGRAMMING I AND II, DATA STRUCTURES, TRANSACTIONAL

*2012 - 2014, Jan. 2017 - Jun. 2017*

SYSTEMS, AND MOBILE APP DEVELOPMENT

- Helped students in the development of several tasks during lab sessions.
- Assessed exams and assignments giving feedback to the students on their mistakes.
- Researched for APIs, libraries and tools to be used in projects assigned to students.
- Created Android programming guides aimed at introducing students to different concepts, features, best practices and tools of Android app development.

## Conference Participation

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### II Congreso Colombiano de Investigación Operativa - ASOCIO 2017

*Medellín, Colombia*

PRESENTER

*Aug. 2017*

- **Angel, M.C.**, Paris, L., Alvarez, D. and Gomez, C. *A heuristic approach for the vehicle routing problem with scarce, reusable resources.*
- Paris, L., **Angel, M.C.**, Alvarez, D. and Gomez, C. *Two-phase hybrid algorithm for the vehicle routing problem with scarce, reusable resources.*

## VeRoLog Conference 2017

Amsterdam, Netherlands

PRESENTER

Jul. 2017

- **Angel, M.C.**, Paris, L., Alvarez, D. and Gomez, C. *A heuristic approach for the vehicle routing problem with scarce, reusable resources.*
- Paris, L., **Angel, M.C.**, Alvarez, D. and Gomez, C. *Two-phase hybrid algorithm for the vehicle routing problem with scarce, reusable resources.*

## Honors & Awards

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**Summa Cum Laude degree in Systems and Computing Engineering:** awarded to those students whose cumulative GPA is in the top 1% of the the graduates of their faculty during the last 5 years, and who demonstrate integral merits in an interview.

Bogotá, Colombia

Oct. 2017

**Summa Cum Laude degree in Industrial Engineering:** awarded to those students whose cumulative GPA is in the top 1% of the the graduates of their faculty during the last 5 years, and who demonstrate integral merits in an interview.

Bogotá, Colombia

Oct. 2017

**Ramón de Zubiría Award:** awarded to the student who obtains the highest cumulative GPA of the Systems and Computing Engineering program.

Bogotá, Colombia

Oct. 2017

**Undergraduate Merit Award:** awarded to the student who obtains the highest GPA of the Industrial Engineering program.

Bogotá, Colombia

Oct. 2017

**The Anglo Colombian School Award for “First Place in Form”:** awarded to those students who obtain the highest cumulative GPA in their form.

Bogotá, Colombia

2005 - 2011

## Skills

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**Programming Languages:** Java, Python, Java Script, HTML, CSS, PHP, Ruby and Swift.

**Databases:** Oracle and MySQL.

**Tools:** Eclipse, WebStorm, Visual Studio, AndroidStudio and Xcode.

**Operating Systems:** Mac OS X, Microsoft Windows, Fedora (Linux), Android and iOS.

**Languages:** Spanish (native language), English (bilingual proficiency), French (limited working proficiency)

## Interests

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**Knitting:** Member of the Colectivo de Tejido Maria Cano Vive.

**Dancing:** Passionate about salsa dancing.

**Cinema:** Cinephile interested in independent and international cinema.