

# David Mauricio Delgado Ruiz

## PERSONAL INFO

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**Mobile:** +57 300 297-7385

**Website:** : <https://nonameable.github.io/> **Github:** <http://github.com/nonameable>

**Languages:** Spanish(Native), English(Advanced), Portuguese (Intermediate), German (Basic)

## EDUCATION

- |                  |   |
|------------------|---|
| [7/14 - present] | Universidad de los Andes – Bogotá<br>Systems and Computing Engineering<br>Expected Graduation date: June 2019<br>Cumulative GPA: 4.31/5 |
| [5/16 - 7/16]    | Introduction to DevOps - Microsoft  |

## RELEVANT PROJECTS

- **Accio** (In Progress) Application that merges 2 or more majors/minors optimizing for time given the student constraints, in order for him/her to take much more advantage of the college experience. NodeJS, Express, PostgreSQL, Angular, GAMS.
- **Well-Col** (team project). Application for storing information and monitoring emergencies a petroleum wells network. NodeJS, Express, PostgreSQL and Angular. Client for iOS.
- **PuertoAndes** (2016). Application for storage, management and analysis of a port network. Database with tables with more than 2 million rows. Oracle11g, Java JDBC, SQLDeveloper.
- **CCT** (2015) Application for finding shortest/cheapest/ routes for package delivery in Bogotá, Colombia using shortest path, Dijkstra and other graph algorithms. Java.

## WORK EXPERIENCE

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|-----------------|--|
| [7/17 - today]  | <b>Teacher Assistant – Technological Infrastructure</b> <ul style="list-style-type: none"><li>• Designed the project course in C and Assembly: A compression utility based on Huffman Encoding.</li><li>• Grade tests and quizzes. Provided feedback to 30 students.</li></ul> |
| [01/17 – 07/17] | <b>Research Assistant – Universidad de los Andes</b> <ul style="list-style-type: none"><li>• Currently support the implementation of a secure scheme of communication for Body Area Networks.</li></ul>  |
| [7/15 - 12/15]  | <b>Teacher Assistant - Discrete Mathematics</b> <ul style="list-style-type: none"><li>• Graded assignments and provided feedback to 40 students weekly.</li><li>• Facilitated discussion sections before exams.</li></ul>  |

[2/15 - 7/15]

**Programming teacher at Cupitaller**

- Taught course materials from the *Object Oriented Programming and Algorithms 1* and 2 to students with conceptual and implementation difficulties in programming concepts using Java.
- Got highly positive reviews both from my employer and my students (4.5+/5.0)

[7/11 – 8/16]

**Mathematics and Physics Teacher**

- Taught Math and Physics to students with difficulties in grades 6<sup>th</sup>, 7<sup>th</sup>, 8<sup>th</sup>, 9<sup>th</sup> and 10<sup>th</sup>.
- Got highly positive reviews from both parents and students, who requested private tutoring and mentorship.

**AWARDS AND ACHIEVEMENTS**

- **1<sup>st</sup> place** out of 1000 in the Colombian standardized tests(ICFES) **(2013)**
- **Desarrollo del Talento en TI (Development of IT talent) Scholarship** that covers full tuition for undergraduate studies at Universidad de los Andes, Colombian Ministry of Information Technology and Communications **(2014)**
- **1<sup>st</sup> place** out of 15 teams (some including Master students and working security professionals) in the second edition of the **Information Security Marathon** at Uniandes. **(2017)**

**TECHNICAL SKILLS**

**Java.** JavaScript, NodeJS and HTML/CSS. Comfortable with SQL and have worked with Oracle11g and PostgreSQL. Familiar with Python. MongoDB and Firebase/Firestore. Git.