

David Mauricio Delgado Ruiz

PERSONAL INFO

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

EDUCATION

[7/14 – 7/18]	Universidad de los Andes – Bogotá Systems and Computing Engineering Cumulative GPA: 4.32/5
[5/16 - 7/16]	Introduction to DevOps - Microsoft

RELEVANT PROJECTS

- **Photoring** (research project) A tool for the navigation and exploration of large image collections. NodeJS, mySQL, MongoDB.
- **LocalStores** (team project) A Mobile App that helps students find the closest stores with the best prices for their shopping lists. Swift, Google Maps API, Firestore.
- **Accio** 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

[12/18 – today]	Tech Lead – Quantil <ul style="list-style-type: none">• Led the technical implementation of data science projects for multiple clients in the Health, Cloud, Finance and Public sectors.• Implemented the use of agile methodologies in the IT department and helped researchers to incorporate good development practices in their work.• Led the implementation of the company's strategy plan to redesign the IT area in order to grow and have a higher impact in our customers.
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- [06/18 – 12/18] **Engineer – Quantil**
 - Implemented an ETL pipeline for more than 2TB of company data.
 - Implemented and scale a data analytics architecture based on CassandraDB and Django services.
- [1/18 – 06/18] **Teacher Assistant – Computational Infrastructure**
 - Designed 3 of the 4 course projects (in Java), which relate to concurrency, virtualization, security and capacity planning.
 - Graded projects and provide feedback to 60 students.
- [7/17 – 12/17] **Teacher Assistant – Technological Infrastructure**
 - Designed the project course in C and Assembly: A compression utility based on Huffman Encoding.
 - Graded projects, tests and quizzes. Provided feedback to 30 students.
- [01/17 – 07/17] **Research Assistant – Universidad de los Andes**
 - Supported the implementation of a secure scheme of communication for Body Area Networks.

Since 2011 I have been teaching to children and adults Mathematics, Physics and Computer Programming.

AWARDS AND ACHIEVEMENTS

- **1st 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)**
- **1st 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)**

SPEAKING

- **Pycon US 2019:** Pycon Charlas. Cleveland, Ohio.
- **Pycon Colombia 2019:** Bogotá, Colombia
- **Pyladies Colombia**

TECHNICAL SKILLS

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