

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

- Led the technical implementation of data science projects for multiple clients in the Health, Education, 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 operation of the IT area in order to grow and have a higher impact in our customers.

- [06/18 – 12/18] **Backend and Data 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

- **!!Con 2019:** New York, US
- **Pycon US 2019:** Pycon Charlas. Cleveland, Ohio.
- **Pycon Colombia 2019:** Bogotá, Colombia
- **Uniandes Analytics Forum**
- **Pyladies Colombia**
- **Data Science and Machine Learning 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.

