David Mauricio Delgado Ruiz

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

EDUCATION

[7/14 - present]	Universidad de los Andes – Bogotá
	Systems and Computing Engineering
	Expected Graduation date: June 2018
	Cumulative GPA: 4.32/5
[5/16 - 7/16]	Introduction to DevOps - Microsoft

RELEVANT PROJECTS

- **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

[1/18 - today]	**Teacher Assistant – Computational Infrastructure**

- Design 3 of the 4 course projects (in Java), which relate to concurrency, virtualization, security and capacity planning.
- Grade 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.
- Grade projects, tests and quizzes. Provided feedback to 30 students.

[01/17 – 07/17]	**Research Assistant – Universidad de los Andes**

- Support the implementation of a secure scheme of communication for Body Area Networks.

[7/15 - 12/15]	**Teacher Assistant - Discrete Mathematics**

- Graded assignments and provided feedback to 40 students weekly.
- Facilitated discussion sections before exams.

[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 6th, 7th, 8th, 9th and 10th.
- Got highly positive reviews from both parents and students, who requested private tutoring and mentorship.

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)**

TECHNICAL SKILLS

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