

Diva Martinez-Laverde

SOFTWARE ENGINEER | COMPUTER SCIENTIST

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Education

MEng in Information Engineering

UNIVERSIDAD DE LOS ANDES

Bogotá, Colombia

2017 - present

BS Systems and Computing Engineering

UNIVERSIDAD DE LOS ANDES

Bogotá, Colombia

2011 - 2015

Experience

Universidad de los Andes

GRADUATE ASSISTANT

Bogotá, Colombia

January 2019 - December 2019

- Discrete Mathematics and Logic — 3 sections
- Software Verification Master's Summer Course — Teaching Assistant

Rappi inc.

INTEGRATIONS DEVELOPER AND DATA SCIENTIST FOR CPG'S

Bogotá, Colombia

July 2017 - December 2018

- Assessor for an Artificial Intelligence Project for marketing
- In charge of the mass reconfiguration of products, which reduced losses due to price differences in a 60% — Python
- Designed the data integration system with Casino Group which reduced the price and availability update interval from one day to 10 minutes — Golang
- Created the data model for semantic enrichment of products
- Designed and implemented a service for brand promotionals — Python
- Created the first A/B testing system for CPG's search engine — Python
- Audited most of the processes inside the integrations workflow — Scala
- Audited process associated to Rappi's search engine — Scala

Alianza CAOBA

GRADUATE RESEARCH ASSISTANT

Bogotá, Colombia

July 2016 - July 2017

- Developed a risk model for traffic accidents to generate preventive measures for Bogotá's Department of Mobility
- Developed a dashboard to analyze the characteristics and behavior of traffic accidents in Bogotá
- Study on taxes of urban delineation and characterization of taxpayers in order to detect anomalous declarations of constructions in Bogotá
- Automated the generation of data quality reports
- Implemented various ETL pipelines

Teaching

2019 **Instructor**, Discrete Mathematics and Logic

Uniandes

2017 **Instructor**, Discrete Mathematics and Logic

Uniandes

2016 **Teaching Assistant**, Computational Methods for Physicists

Uniandes

Instructor, Integral Calculus with Differential Equations

2015 **Teaching Assistant**, Discrete Mathematics and Logic

Uniandes

2014 **Teaching Assistant**, Discrete Mathematics and Logic

Uniandes

2013 **Teaching Assistant**, Discrete Mathematics and Logic

Uniandes

2012 **Teaching Assistant**, Algorithmics and Object Oriented Programming I

Uniandes

Teaching Assistant, Algorithmics and Object Oriented Programming II

Programming Languages and Tools

Python	• Main scripting language to automatize tasks		
	• Used for data cleaning, machine learning and visualization tasks with tools as numpy, pandas, pyspark and scikit-learn		
	• Used to develop small web applications using flask, and REST APIs using tornado		
Golang	• As general purpose language		
	• Used to develop various command line interfaces		
	• Used to develop several REST services using mainly negroni and mux		
Other Languages	• Rust	• Bash	• C
	• Scala	• Java	
Tools	• Git	• PostgreSQL	• Spark
	• \LaTeX	• Redis	
	• Docker	• MongoDB	

Languages

Spanish	Native	English	C1	German	B1
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