

# MARTÍN CARMONA DÍAZ

## Data Scientist & Machine Learning Engineer

📍 Manizales, Colombia    @ mcarmonad@unal.edu.co    📞 (+57) 321 688 7698  
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## EXPERIENCE

### Machine Learning Engineer

#### Rappi

📅 June 2021 – Ongoing    📍 Bogota DC

- Work at the new financial ecosystem at RappiBank designing, training, deploying and maintaining predictive models to make smarter decisions to deliver even better products.
- Implement ETL's for feature creation, applying data mining and training models with state of the art technology, developing microservices for serving models across different departments, and building high quality prediction systems integrated with Rappi products.

### Data Scientist

#### ZTE Corporation

📅 October 2020 – Ongoing    📍 Bogota DC

- Process and analysis of alarms and kpis data from Claro Colombia's databases to create visualizations, ML models and process optimization to troubleshoot root causes of impact.
- Implement action plans to improve quality and mobile services from sectors of Claro Colombia around the country.
- Built Web Dashboards for automation, interpretation and interaction with data visualization.

### Front-end Developer

#### Freelance

📅 2018 – 2021    📍 Manizales, Caldas

- Web and Android development for people and enterprises.
- Work on advanced frameworks such as angular, vue.js and react to develop optimum environments.

### Mathematics Teacher

#### SEP

📅 2018 – 2021    📍 Manizales, Caldas

- Prepare students for the standardized state test to ingress to one of the most recognizable universities in Colombia.

### Undergraduate Teaching assistant

#### Caldas University - National University Of Colombia

📅 2014 – 2020    📍 Manizales, Caldas

- Employed by the department of physics and academic direction at the National University of Colombia and Caldas University to provide teaching support, tutoring, holding office hours and online classes.

## LIFE PHILOSOPHY

*"If you try it, and your attempts are strong and solid, you may find something more valuable than the solution, even if you fail."*

## MOST PROUD OF



### Determination I had

Accomplish all given tasks.



### Persistence & Loyalty

Self-confidence and proud to serve any institution



### Self-learning

Never lag behind; on the contrary, be at the forefront of knowledge.



### Team Work

Is the key to achieve success.

## STRENGTHS

Self-confidence

Integrity

Creativity

Strong Communication

Team Work

Ethical

Determination

Data Analytics

Web Services & Applications

ML & AI Models

Theoretical Maths & Physics

## SKILLS

Python/Java

Flask/JavaScript

React/HTML/CSS

Tableau/Power BI



## LANGUAGES

Spanish

English

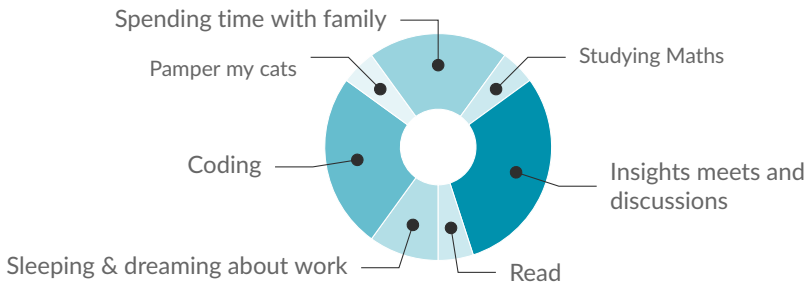
Portuguese

French



## A DAY OF MY LIFE

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## PUBLICATIONS

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### Software

- Diaz, M. C. (2019). Geoghez. *A hyperbolic geometry software*.

### Academic Conferences

- Diaz, M. C. (2018). Spectral stability of solitary waves in massive confinement of quarks. In *1st international applied physics, engineering and innovation, colombia, 22-26 october 2018*, Bucaramanga, Colombia: Universidad Industrial de Santander.
- Diaz, M. C. (2017a). Existences and stability of a unique solution to the nonlinear schrodinger equation. In *Xxvii national congress of physics, colombia, 03-06 october 2017*, Cartagena, Colombia: Universidad popular del Cesar.
- Diaz, M. C. (2017b). Quantum electrodynamics of strong fields in atoms and in heavy ion collisions. In *Xxvii national congress of physics, colombia, 03-06 october 2017*, Cartagena, Colombia: Universidad popular del Cesar.
- Diaz, M. C. (2016). Study and simulation of nonlinear dynamical systems. In *V national congress of engineering physics, colombia, 26-30 september 2016*, Medellín, Colombia: EAFIT University.

## EDUCATION

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Master in Big Data and Data Science


[Valencian International University](#)

 2021 - Ongoing  Student

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Physical Engineer

[National University of Colombia](#)

 2014 - 2019  Bachelor's Degree

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Student of Software Engineer

[Caldas University](#)

 2015 - 2020

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Student of last semester  
Mathematics

[National University of Colombia](#)

 2017 - 2021

## REFEREES

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**Jairo Ruiz Castellanos**


 [jairo.ruiz@gmail.com](mailto:jairo.ruiz@gmail.com)

 ZTE Services Project Manager  
ZTE Corporation Colombia

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**Diego Alejandro Bustamante Berrio**


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 Fullstack Developer Semisenior  
NewShore

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**Juan Diego Hoyos**


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 Android Technical Lead  
Rappi

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**Camilo Ramirez Maluendas**

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 PhD in Mathematics  
National University of Colombia