



MARIO ESTEBAN LÓPEZ CANO

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Personal Statement

I am electronic engineer from the National University of Colombia. In my university education I have acquired important information on issues related to digital and analog systems, in order to plan and design viable projects for the benefit of my region. In addition, throughout this learning process my communication and empathy skills with the work teams improved, in addition to acquiring responsibility and discipline with my commitments.

Education

- **December, 2013 – March, 2020** Bachelors in Electronic Engineering
Bogotá-Colombia *Universidad Nacional de Colombia*

Modules included:

- Computer programmer
- Digital electronic
- Analog electronics
- Power electronics
- Radio frequency circuits
- Optical communications
- Computer networks
- Project Management

Software skills:

MySQL, DB2, MongoDB, React.js (Front-End), Node.js (Back-End), IBM Cloud, Cloud Foundry, Cognos Analytics (IBM), JavaScript, Python, HTML, CSS, Matlab, LTspice, Xilinx, Octave, Comsol, Latex, Jupyter Notebook.

Operative Systems:

Windows, UNIX, Red Hat, Linux, Ubuntu.

Languages:

- Spanish: natal
- English: B2

Degree Work (June 2019 – February 2020):

This work dealt with the research and implementation of a Hybrid Energy Storage System, which combined a Lithium-Ion battery with a Super-capacitor for energy storage in a photovoltaic system, this combination allows the generation of greater power for the system as well as extending the life of batteries, which are the most expensive component in such systems. The development of the system involved everything from digital electronics to instrumentation and the rating was 5.0.

- **April, 2020 – August, 2020**
Tunja-Colombia

Learning Drupal 8
Udemy: Online Courses

Work Experience

Aug-Jun. 2018-19 Bogotá-Colombia

IBM Colombia, Global Technology Services, Innovation & Development

Occupied position: Software Developer (University Internship)

Software development for internal automation and customer automation. Specifically, in Full-Stack solutions in the cloud, working technologies such as: Relational databases (MySQL, DB2), non-relational databases (MongoDB), Front-End (React.js), Back-end (Node.js), Cloud deployment (IBM Cloud, Cloud Foundry).

Dec-Jan. 2017-18 & February, 2020 – September, 2020 Tunja-Colombia

MERCKEALCOSTO, Supermarkets grocery sector

Occupied position: cashier and customer service

I charge of stocking shelves, receiving merchandise, customer service and as an assistant to the accountant and administrator.

Jun-Aug. 2017 Tunja-Colombia

MULTIHOGAR, household utensils trade sector.

Occupied position: cashier

Worked in a busy team sometimes under pressure. Provided a quality service to customers.

Additional Experiences

Speaker

**Congreso de Investigación y Pedagogía II Nacional I Internacional:
perspectivas, retos y transformaciones en contextos educativos.**

Universidad Pedagógica y Tecnológica de Colombia. Tunja, Boyacá. October 12,13 y 14 - 2011.

Competitor

ACT IN SPACE: International event on entrepreneurship and innovation

Event developed by the French Space Agency (CNES) with support from the European Space Agency (ESA).

National University of Colombia & Andes University. Bogotá, Colombia. May 25,26,27 – 2018.

Interest

Leadership: Project Leader for projects at university, where my planning and organizational skills to the fore, have found “active-listening” a very useful skill when working in a group.

Sport: I think a healthy body is the key to a focused mind in today’s hectic society. Therefore, the sports I play are tennis and soccer.

Living Life: I love to travel and to know new cultures and places, besides spending time talking with my friends. I practice athletics and cycling.

Work Reference

Mario Eduardo HERNANDEZ

IBM (Bogotá-Colombia)

Squad Lead I+D GTS

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Giovanny Aldemar BAQUERO

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Angela Natalia CANO GARAVITO

MULTIHOGAR (Tunja-Colombia)

Administrator

Mobile 3112303443 E-mail: angelancg@hotmail.com

Mario Ernesto LÓPEZ SOLER

MERCKEALCOSTO (Tunja-Colombia)

Administrator

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Personal References

Marco Fernando TRIANA LÓPEZ

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