



# Gustavo Quintana

DVM | GRADUATE RESEARCH ASSISTANT

## Profile

Dynamic Doctor of Veterinary Medicine with experience in animal nutrition and diet formulation. Adept in making key decisions and working with other professionals to achieve goals and solve problems. Trained in data analytics and model generation to depict and predict responses in broiler and broiler breeder integrations. Motivated to obtain the highest benefit from data, applying machine learning in agriculture.

## Employment History

### Graduate Research Assistant, North Carolina State University, Raleigh, NC.

JANUARY 2020 – PRESENT

Modeling of performance, management, nutrition and environment parameters for broiler integration using data analytics tools. Design and development of research projects focused on broiler and broiler breeder nutrition.

### Nutritionist, Grupo BIOS, Envigado, Colombia

SEPTEMBER 2018 – DECEMBER 2019

Nutrition and diet formulation for multi-species commercial feed and poultry integrations. Technical support to in-field technicians, QA labs and feed mills. Design of monthly and annual budgets. Feed ingredient constraint simulations.

## Education

### Master of Science in Poultry Science, North Carolina State University, Raleigh, NC.

JANUARY 2020 – PRESENT

### DVM, University of Tolima, Ibagué, Colombia

AUGUST 2013 – SEPTEMBER 2018

## Internships

### International Intern, North Carolina State University, Raleigh, NC.

JANUARY 2018 – JULY 2021

## Courses

### Instructor - Data Analytics for Poultry and Swine Industries, North Carolina State University

APRIL 2021 – MAY 2021

### Basic and Applied Course of Avian Immunology, AMEVEA, Colombia

AUGUST 2020 – NOVEMBER 2020

### International Course on Poultry Production, North Carolina State University

MAY 2018 – MAY 2018

## Details

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PLACE OF BIRTH

Ibagué, Colombia

## Social Media

[Linkedin/gquintana22](#)

## Skills

Leadership

Data Analytics

R Software

Allix 3

Concept 5

## Languages

Spanish; Castilian

English

Portuguese

## Oral Presentations

**Supervised machine learning models to predict body weight and feed conversion ratio of broilers reared under commercial conditions., Omaha, NE**

JULY 2021

Poultry Science Association Annual Meeting

**Corn drying temperature, particle size, and amylase supplementation on live performance and nutrient utilization of Cobb 500 chickens., Louisville, KY**

JULY 2020

Poultry Science Association Annual Meeting

**Effects of broiler breeder dietary amino acid levels during rearing on broiler progeny live performance, carcass traits and meat quality., Atlanta, GA**

JANUARY 2020

International Poultry Scientific Forum

**Effect of 1-alpha-hydroxycholecalciferol on leg health parameters and bone development in grower diets with different dietary calcium levels for Ross-708. PSA 2018, San Antonio, TX**

JUNE 2018

Poultry Science Association Annual Meeting

## Publications

**Effects of amino acid levels during rearing on Cobb 500 slow-feathering broiler breeders: 1. Growth and development., Poultry Science**

2021

**Early infection with Histomonas meleagridis has limited effects on broiler breeder hens' growth and egg production and quality., Poultry Science**

2020

**Detection of Salmonella spp. antigens in Tolima poultry products by Western Blot., Revista Veterinaria Y Zootecnia**

2017

## References

**Dr. Edgar O. Oviedo-Rondon from North Carolina State University**

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**Mr. Luis Carlos Bernal Arango from Grupo BIOS**

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