Wilson Eduardo Jerez Hernández

B.Sc. in Mathematics — Data Scientist — Financial Analyst

PERSONAL DETAILS

Date of Birth	May 11, 2001
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PROFESSIONAL PROFILE

I am passionate about technology and data science, with a strong background in mathematics and experience in data analysis, modeling, and machine learning. I possess skills in programming and database management, enabling me to develop innovative solutions for complex problems. My focus is on continuous improvement and the application of the latest technologies to add value to challenging projects. I enjoy teamwork and collaborating in multidisciplinary environments to achieve common goals.

EXPERIENCE

Data Scientist   **Jul. 2024 - Jan. 2025**
BBVA, Bogotá, Colombia

- Implemented Natural Language Processing (NLP) techniques to extract valuable information from unstructured data.
- Developed automation scripts, optimizing data extraction and cleaning processes.
- Analyzed large datasets using Apache Spark, building machine learning models to predict financial trends.
- Designed interactive dashboards with tools like Tableau and Power BI to visualize data and communicate findings to stakeholders.
- Collaborated in multidisciplinary teams, integrating data analysis into business strategies to improve decision-making.

Leader of Iprea Research Group   **Aug. 2022 - Jul. 2024**
Universidad Distrital Francisco José de Caldas, Bogotá, Colombia

- Led the Iprea Research Group, coordinating research activities and applied projects in statistics.
- Guided members in applying statistical concepts, from data analysis to predictive model implementation.
- Organized and facilitated training sessions and workshops to enhance technical and teamwork skills.
- Led projects that applied statistical techniques to solve real-world problems, promoting innovation and collaboration.

GitHub Projects   **2020 - Present**
Personal GitHub Profile

- Developed projects in Python, R, and Go focused on data analysis, machine learning, and software development.
- Utilized Git and GitHub for version control and collaboration on open-source projects.
- Implemented machine learning algorithms for data prediction and classification.
- Created interactive visualizations and dashboards to present results.

- Documented each project in detail to facilitate understanding and reuse by other developers.

EDUCATION

B.Sc. in Mathematics   **2019 - Present**
Universidad Distrital Francisco José de Caldas
Specialization in calculus, algebra, statistics, and geometry, applying this knowledge to problem-solving and mathematical modeling. Participated in research projects and developed mathematical models for practical applications.

LICENSES AND CERTIFICATIONS

- **Financial Analyst**
  Platzi
  Issued: Jan. 2025
- **AI Tools for Programmers**
  Platzi
  Issued: Dec. 2024
- **Introduction to AWS: Cloud Concepts**
  LinkedIn
  Issued: Nov. 2024
  Skills: Amazon Web Services (AWS)
- **AWS Cloud Practitioner Essentials**
  Amazon Web Services (AWS)
  Issued: Oct. 2024
- **Natural Language Processing with Classification and Vector Spaces**
  DeepLearning.AI
  Issued: Oct. 2024
- **Prompt Engineering: Learn to Interact with Generative AI**
  LinkedIn
  Issued: Oct. 2024
  Skills: Prompt Engineering
- **GNU Linux Systems**
  Universidad Distrital Francisco José de Caldas
  Issued: Sep. 2024
- **Portuguese for Spanish Speakers**
  Platzi
  Issued: Sep. 2023
- **Participation in the First Caldas Mathematics Congress – CACOMA**
  Universidad de Caldas
  Issued: Aug. 2023
- **Certificate XXIII CCM UPTC - Tunja**
  Colombian Mathematical Society
  Issued: Jun. 2023
- **Blockchain and Cryptocurrency School**
  Platzi
  Issued: Jul. 2021

- **Science**
  Platzi
  Issued: Mar. 2021

SKILLS

- **Programming Languages:** Python, R, Go.
- **Tools and Technologies:** Git, GitHub, Apache Spark, Tableau, Power BI.
- **Data Analysis:** Statistics, Machine Learning, Deep Learning, Exploratory Data Analysis, Data Visualization.
- **Office Tools:** Microsoft Office, Google Suite, LaTeX.
- **Languages:** Spanish (Native), English (Intermediate), Portuguese (Intermediate).

ACADEMIC EVENTS

XXIII CCM UPTC - Tunja   **2023**
Attendee
Participated as an attendee in the XXIII Colombian Mathematics Congress organized by UPTC in Tunja.

First Caldas Mathematics Congress (CACOMA)   **2023**
Speaker
Gave a lecture titled *Cryptocurrency Prediction with Random Forest* in Manizales, contributing to strengthening mathematics studies in the region.

First Science Week, Universidad Distrital   **2022**
Participant
Participated in the course *An Introduction to Machine Learning with R and Python* during the First Science Week at Universidad Distrital.