

Iván Díaz de León Rodríguez

MSc. Computer Science

Professional License: 14737712

ivandiazdeleon18@gmail.com

(+52) 55 4140 5345

Atizapán de Zaragoza, Estado de
México



Highly motivated Master of Science in Computer Science graduate with a full-time scholarship from Tecnológico de Monterrey, with strong expertise in programming, algorithm design, data mining, and data analysis.

Analytical thinker with a proactive mindset, strong problem-solving and self-learning skills, high level of integrity, and the ability to adapt to complex challenges. Passionate about machine learning, optimization, and big data analytics. Eager to contribute technical and analytical expertise to innovative projects.

Experience

Data Analysis Independent Consultant

Estudios Noviembre Professional Recording Studio | Jan 2025 - Apr 2025

- Designed and proposed a data analytics project consisting of Natural Language Processing, Sentiment Analysis, and mathematical description of relative value between the company and its competitors in terms of cost, services and social media followers.
- Delivered a full report with data visualization and interpretation.

Researcher MSC in Computer Science

Tecnológico de Monterrey, CEM | Feb 2023 - Dic 2024

- Explored the intersection of NLP, machine learning, and football scouting by leveraging YouTube data to investigate the concept of "Wisdom of Crowds" for predictive tasks like talent identification in football through an original thesis.
- Collected, organized, and analyzed data from four diverse sources to evaluate the predictive value of various information types in supervised learning tasks.
- Trained and evaluated three machine learning models through carefully designed experiments, comparing their performance on crowd-sourced data using Sentiment Analysis.

Publications and Conferences

- Published a scientific paper on "Talent identification in Football Using Supervised Machine Learning". (DOI: 10.1007/978-3-031-75540-8_2)
- Presented in the 23rd Mexican International Conference on Artificial Intelligence in Puebla.

Education

MASTER OF SCIENCE IN COMPUTER SCIENCE

Tecnológico de Monterrey, CEM | Feb 2023 - Dic 2024

- Relevant Coursework: Machine Learning, Data Analysis, Analysis and Design of Algorithms, Scientific Research Methodology, Applied Mathematics, Intelligent Systems, Computer Vision, Evolutionary Computation
- Research on the enhancement of football talent identification through the use of machine learning and wisdom of crowds.

BACHELOR OF SCIENCE IN MECHATRONICS ENGINEERING

Tecnológico de Monterrey, CEM | Ago 2016 - Jul 2021

- Professional Licence: 13058959

Skills

- Proficient in Python
- Java, SQL
- Machine Learning
- Natural Language Processing
- Data visualization (Seaborn, Matplotlib, Plotly)
- Predictive Modeling, Data Mining
- Communication Skills
- Scientific Research

Projects and Certifications

Projects

- Football talent identification using Wisdom of Crowds (Thesis Dissertation)
- Competition Analysis with Sentiment Analysis of Google Reviews for Recording Studio
- Sports Statistics Web Scraper

Certifications

- Natural Language Processing

Links

 <https://www.linkedin.com/in/ivan-diaz-de-leon-rodriguez/>

 <https://github.com/Ivan-DLR18>