JULIO RODRIGUEZ

Profile

Dynamic and results-driven Junior Data Analyst with a robust foundation in sports analytics and a proven track record of extracting actionable insights from complex data sets. I possess a strong analytical mindset, complemented by proficiency in data visualization, statistical analysis, and machine learning techniques. Eager to leverage my skills in Python, SQL, and data wrangling to drive strategic decisions and enhance performance outcomes within the sports industry.

I am passionate about applying advanced analytical methodologies and innovative solutions to tackle challenges and optimize team performance. Committed to continuous learning, I actively seek opportunities to expand my expertise in data science and emerging technologies, ensuring I stay at the forefront of industry trends. My collaborative approach and effective communication skills enable me to work seamlessly with cross-functional teams, contributing to data-informed decision-making that drives success.

Technologies

- **Data Analysis and Analytics**: Proficient in extracting insights from complex datasets and applying statistical methods to inform decision-making.
- **Probability and Statistics**: Strong understanding of statistical techniques and their applications in sports performance analysis.
- **Mathematical Modeling**: Experience in developing models to simulate and analyze performance outcomes.
- **Data Wrangling**: Skilled in cleaning and transforming raw data into structured formats suitable for analysis.
- **ETL Process**: Knowledge of extracting, transforming, and loading data for comprehensive analysis.
- **Machine Learning and Predictive Modeling**: Experience in training AI models using machine learning techniques to enhance performance predictions and optimization.
- **Big Data Technologies**: Familiarity with big data frameworks like Hadoop or Spark for processing large datasets.
- **Data Pipelines**: Experience in creating and managing data pipelines for continuous data flow and processing using tools like Apache Airflow or AWS Data Pipeline.
- **Natural Language Processing (NLP) Techniques and Algorithms**: Basic knowledge of NLP for analyzing textual data, including player reports and feedback.
- **Data Collection and Handling**: Proficient in designing and executing data collection protocols to gather relevant performance metrics.

- **Text Representation Techniques**: Understanding of methods for representing text data for analysis, such as TF-IDF, word embeddings, and sentiment analysis.
- **Experimental Design**: Knowledge of designing experiments to assess the impact of training programs on player performance.
- **Intermediate Knowledge of Office Suite**: Proficient in Microsoft Office applications, including Excel for data analysis and reporting.
- **Intermediate Knowledge of SQL**: Ability to write and optimize SQL queries for data retrieval and manipulation in relational databases.
- **Intermediate Knowledge of Python 3.0**: Skilled in using Python for data analysis, machine learning, and automation tasks.
- **Basic Knowledge of Tableau and Power BI**: Familiar with data visualization tools for creating interactive dashboards and reports.
- **Experience with Azure**: Knowledge of Azure services for cloud computing and data storage solutions.
- **Familiarity with Git and Git Bash**: Proficient in using Git for version control and collaboration on software projects.
- **Learning Java and JavaScript**: Currently expanding my programming skills by learning Java and JavaScript for application development.
- **Statistical Software**: Experience with software such as R or SPSS for conducting advanced statistical analyses.
- **Data Visualization**: Skills in creating compelling visual narratives from data using tools like Matplotlib, Seaborn, or D3.js.
- **Performance Analysis Tools**: Familiarity with tools such as Sportscode, Hudl, or other analytics platforms specific to sports performance.
- **Team Collaboration Tools**: Experience with project management and collaboration tools such as Trello, Asana, or Slack to enhance teamwork and communication.
- **Continuous Learning Mindset**: Committed to staying updated with industry trends, emerging technologies, and best practices in sports analytics and conditioning.

Work Experience

CEC Gym (Centro de Entrenamiento Consciente)
February 2019 - November 2019
Strength and Conditioning Coach/Head Performance Analyst

- As the Head of Performance Analysis and Strength Conditioning, I am responsible for leading efforts to enhance athlete performance through data analysis and targeted strength training programs. I oversee the collection and analysis of performance data, utilizing advanced technologies such as Python, R, and data visualization tools like Tableau or Power BI to derive actionable insights.
- I develop and implement key performance indicators (KPIs) that assess both individual and team performance and create individualized strength and conditioning programs tailored to each athlete's needs. My responsibilities as a strength and conditioning coach include designing training regimens that

enhance strength, speed, agility, and overall fitness, as well as monitoring athletes' physical progress through regular assessments and testing.

- I conduct video analysis using platforms like Hudl and SportsCode to evaluate technical and tactical aspects, collaborating closely with coaching staff to integrate data-driven insights into our training strategies. Additionally, I implement injury prevention and rehabilitation protocols in conjunction with medical staff.
- This role requires strong analytical skills, proficiency in performance analysis tools, and effective communication to prepare comprehensive reports for coaches and management. I possess in-depth knowledge of strength and conditioning principles, injury prevention strategies, and sports science. I stay updated on the latest advancements in these areas, fostering a culture of continuous improvement and empowering athletes to achieve their optimal performance.

Optimus Gym Physical and Mental Training
November 2020 - August 2022
Head of Performance Analysis

- As the Head of Performance Analysis, I lead our analytical efforts to enhance athlete performance and team success. I oversee the collection and analysis of performance data from training sessions and competitions, utilizing advanced tools like Python, R, and data visualization software (such as Tableau or Power BI) to transform raw metrics into actionable insights. I develop key performance indicators (KPIs) that assess both individual and team performance and conduct in-depth video analysis using tools like Hudl and SportsCode to identify strengths and areas for improvement.
- Collaboration is crucial in my role, as I work closely with coaches to integrate data-driven insights into our training programs and game strategies. I prepare comprehensive performance reports to communicate findings effectively and facilitate informed decision-making. My commitment to continuous learning keeps me updated on the latest advancements in sports analytics, allowing me to challenge my team and adapt our methodologies as needed.
- Strong analytical skills, proficiency in performance analysis tools, and effective communication are essential in my role. I am dedicated to fostering a culture of data-informed decision-making that empowers our athletes and coaching staff, ultimately driving our pursuit of excellence in sports.

Metropolis Futsal
March 2022 - February 2023
Head of Performance Analysis and Strenght Conditioning.

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VO2Max Physical and Sports Training Center
August 2022 - June 2023
Head of Performance Analysis

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Outlier AI/ Scale AI – Freelance
October 2024 – Contract active
Talent Store: AI Coders - Training AI Models SCA061

In this role, I am responsible for training and fine-tuning AI models, ensuring they meet high-quality standards and performance metrics. My work involves using large language models (LLMs) to enhance the accuracy and efficiency of AI-driven solutions. I develop and refine prompts, test model outputs, and apply best practices to optimize models for various use cases. Additionally, I collaborate with team members to troubleshoot issues, implement feedback, and maintain the overall effectiveness of the AI systems. My contributions help ensure that the AI models align with client requirements and deliver optimal results across diverse applications.

Key Responsibilities:
- Train and fine-tune AI models for optimal performance.
- Develop, test, and refine prompts to improve model accuracy and output quality.
- Collaborate with team members to address challenges and implement solutions.
- Evaluate model outputs, apply feedback, and iterate improvements.
- Maintain AI systems' consistency with project goals and client specifications.

Education

National University of San Luis
2023 - 2028
Bachelor of Data Analysis and Management

Codecademy
October 2023 – July 2024
Data Scientist: Analytics Specialist Career Path

Codecademy
October 2023 – July 2024
Business Intelligence Data Analyst

Codecademy
October 2023 – August 2024
Data Scientist: Inference Specialist Career Path

Codecademy
October 2023 – September 2024
Data Scientist: Natural Language Processing Specialist Career Path

Codecademy
October 2023 – September 2024
Data Scientist: Machine Learning Specialist Career Path

Codecademy
September 2024 – Currently completing the course
Data Engenieer Carreer Path

Codecademy
September 2024 – Currently completing the course
Software Desing Principles

Codecademy
September 2024 – Currently completing the course
Software Engineering for Data Scientist

Codecademy
September 2024 – Currently completing the course
Software Engineering In Python

Codecademy
September 2024 – Currently completing the course
Intro to Java

Codecademy
September 2024 – Currently completing the course
Learn Java

Codecademy
September 2024 – Currently completing the course
Learn Intermediate Java

Codecademy
September 2024 – Currently completing the course
Learn Java: Object-Oriented Programming

Codecademy
September 2024 – Currently completing the course
Java For Programmers

Contact

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Portofolio

GitHub: https://github.com/Litju?tab=repositories