

Cali, Colombia
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Portfolio:
<https://nicolasvidalduque.onrender.com/>

LinkedIn:
<https://www.linkedin.com/in/nicolas-vidal-duque-data-science/>

Education:
- Industrial Engineering,
Javeriana University, 2024

- Back-end and cloud
infrastructure bootcamp,
Oracle Education, 2023

- Bilingual Highschool,
Jefferson School, 2018

- Skills:**
- Data Analysis
 - Back End Development
 - Cloud Infrastructure
 - Predictive Modeling
 - SQL
 - SAP
 - Data Mining
 - Experimentation Design
 - Data Visualization
 - Statistical Analysis
 - Programming
 - Model Deployment
 - Neural Networks
 - Pytorch & Tensorflow
 - Data Modeling
 - Agile methodologies
 - Scrum

Languages:

- English: C1
- Spanish: Native

Nicolas Vidal

Bilingual industrial engineer specializing in Data Science and Machine Learning

Skilled in communicating complex results to non-technical stakeholders through storytelling and data visualization. Experienced in innovation and problem-solving. Interested in expanding knowledge in technology and development, particularly in predictive algorithm design, deep learning, and web development.

Outlier.ai
AI Software Engineer | 05/2024 – Current

- Implement prompt engineering to evaluate the performance of generative LLM models across various dimensions of understanding using RLHF (Reinforcement Learning from Human Feedback) to improve the model's effectiveness.
- Conduct thorough QA unit testing to evaluate the model's chain of thought for each prompt, ensuring accurate responses and high-quality performance.
- Refine AI-generated code in languages like Python, Java, and C++ by adhering to best practices such as OOP.
- Manage the implementation and interaction of function tool sets between the model and APIs.

Anti-Aging Medical Clinic - Dr. Constanza Duque:
Machine Learning Engineer | 06/2021 – 03/2024

- Designed a data storage schema for the implementation of a CMS for customer segmentation.
- Executed natural language processing for data integration between the client chat and the CMS.
- Developed robust data processing pipelines for accuracy and completeness using Python, VBA, and AWS.
- Conducted customer segmentation for personalized recommendations and targeted marketing with clustering techniques.
- Performed predictive statistical analysis to identify trends, resulting in strategic add campaigns and a 10% increase in sales.

Ericsson Colombia:
IT Internship
Data Analyst | 06/2023 - 12/2023

- Developed process automation with Power Automate flows, including training AI for purchase order data extraction with Microsoft AI Builder.
- Utilized Python for SAP web scraping, data cleaning, and processing with pandas and numpy.
- Managed SQL databases for efficient data storage and retrieval.
- Created RESTful APIs using Flask, deploying with Docker and Kubernetes.
- Designed VBA macros to streamline data collection and processing.
- Leveraged Power BI for comprehensive data analysis, KPI calculation, and dashboard design to support managerial decision-making.