

Daniel Felipe Vargas Ulloa

Nantes, France · (+33) 7 69 97 67 28 · df.vargas@outlook.com · linkedin.com/in/daniel-felipe-vargas

Engineering student in a double-degree program at École Centrale Nantes and University of the Andes, with professional experience in data analysis, signal processing, predictive analytics, anomaly detection, and development of data pipelines. Seeking a 4-month internship starting May 2026 to play a key role in data-driven engineering projects.

EDUCATION

École Centrale de Nantes

Diplôme d'Ingénieur (Master's level Engineering Degree)

Nantes, France

2025 – 2027

- Specialization: Computer Science for Information Systems

University of the Andes

Bachelor's in Systems and Computing Engineering

Minor in Computational Mathematics

Bogotá, Colombia

2021 – 2027

GPA: 4.4 / 5.0

- National Recognition for Top Performance (Colombian Ministry of Education, 2024)

EXPERIENCE

Undergraduate Teaching Assistant, Software Development

University of the Andes

Aug 2024 – Dec 2024

Bogotá, Colombia

- Co-delivered a full-stack software engineering course (Angular, Spring, REST APIs).
- Mentored undergraduate student teams on Agile development practices, version control, test-driven development, and container-based deployment using Docker.

PROJECTS

Clinical Anomaly Detection in Pediatric Intensive Care Units

Collaboration with Central Military Hospital of Bogotá

Jan 2025 – Jul 2025

- Developed a machine learning solution to forecast clinical deterioration in pediatric patients by analyzing bedside monitor data in real time.
- Designed data pipelines for ingestion, preprocessing, and anomaly detection to support early clinical decisions.

Predictive Analytics System for Academic Dropout Risk

Collaboration with National Sports University of Colombia

Aug 2024 – Dec 2024

- Implemented predictive modeling and dashboards to identify students at risk of dropout and enable early academic intervention.
- Performed SQL querying, feature engineering, and model training to deliver actionable insights via Power BI.

SKILLS

Programming Languages: Python, Java, Go, C++, SQL

Data & Machine Learning: Signal Processing, Data Modeling, Anomaly Detection, Data Pipelines, Model Evaluation

Backend & Data Systems: Spring Boot, Flask, Django, Docker, PostgreSQL, MongoDB, Linux, Git, Google Cloud

LANGUAGES

Spanish – Native · English – C2 (Fluent) · French – B2 (Advanced)