

Sergio Axel Medrano Cueto

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Professional Web Page: <https://sergoiiomedrano.github.io/page/>

Monterrey, Nuevo León, México.

SKILLS

- **Engineering:** Understanding Engineering Concepts | Aircraft Technical Records & Maintenance | Front-end and Database Programming .
- **Software:**
Proficiency: Ms Excel | Ms SQL | Visual Basic| HTML | Python.
Familiarity: Matlab (C language) | Javascript
- **Languages:** Spanish Native | Intermediate English | Basic French
- **Values:** Adaptability | Teamwork | Growth Mindset | Ownership | Integrity | Sense of Urgency

EDUCATION

Universidad Autónoma de Nuevo León , Aeronautical Engineering

January 2017 – June 2022, Monterrey, Nuevo León.

Universidad Autónoma de Nuevo León , Web Development Technical Program

February 2023 – Currently, Monterrey, Nuevo León.

ACADEMIC PROJECTS

Available at: <https://sergoiiomedrano.github.io/page/index.html>

Mobile application for mapping damage in a F-20

Development of a mobile application that contained information from the AMM and IPC of a Falcon 20 aircraft, identifying existing damages using PowerApps (VisualBasic).

Professional Web Page

Development of my profile's web page using HTML and CSS as languages, carried out through Visual Studio Code and uploaded through the Github platform.).

Building of a Black Box using Arduino and C++ variant

Construction of a Black Box (FDR) for aeromodelism, using the Arduino microprocessor, different sensors, different electronic components and a variant of C++ as programming language.

EXPERIENCE

Viva Aerobus, Monterrey, NL.

October 2021 – August 2022.

Crew Control Analyst .

- Assignment and planning of flight services for pilots and flight attendants complying with the flight hours and work days established by the regulations and company
- Monitoring and leveling of crew fatigue levels in the AIMS system.

Viva Aerobus, Monterrey, NL.

August 2022 – April 2023

Powerplant Engineer .

- Analysis of the Technical Documentation to maintain the airworthiness of the fleet and compliance with the corresponding Authorities (AFAC, FAA, EASA).
- Prepare the technical documentation (redelivery package) for the return of the engines after the leased period.
- Incorporate and control the Airworthiness Directives and Service Bulletins.
- Analysis of technical cases with the different OEMs (Pratt & Whitney, Collins, Honeywell, Airbus).