JORGE ANDRÉS ÁLVAREZ MELCHOR
Mechatronics Engineer
Age: 24 years - Huixquilucan, Estado de México

PROFILE
Mechatronics Engineer passionate about challenges and technology. Looking for opportunities related to process automation, to expand my knowledge and skills, gain professional experience and be able to contribute with my own ideas. I have developed skills regarding problem solving, self-learning, time management, commitment to the task, working under pressure, creativity, teamwork, and leadership.

CONTACT
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LANGUAGE AND SOFTWARE

Languages
Spanish: Native
English: Full Professional Proficiency
French: Basic

Software
Microsoft Office: Advanced
(Macros, Dynamic Tables, Reports)
Solidworks: Intermediate
Automation Anywhere: Basic
HTML5 / CSS / JavaScript: Basic
Python, C/C++: Basic
MATLAB, LabVIEW, TIA Portal: Basic
PowerBI: Basic

COURSES AND CERTIFICATIONS

-Certificate of Advanced English (C1), 05/2016
-Language Certification, BULATS (C1), 05/2017
-Solidworks Mechanical Design ASSOCIATE, 05/2020
-Excel Skills for Business: Intermediate I-II, 08/2020
-Introduction to HTML5 / CSS / JavaScript, 07/2020
-Advanced Styling with Responsive Design, 07/2020
-Python Data Structures, 09/2020
-Excel Power Tools for Data Analysis, 09/2021
-Automation Anywhere 360 A2019 06/2022
-Essentials RPA Professional 06/2022

WORK EXPERIENCE

London Consulting Group   **September 2021 – to date**
Business Consultant
Consumer Industry:
- Treatment, cleaning, and analysis of statistical data to determine possibilities of savings and rotation of products.
Fishing Industry
- Design and development of dashboards to monitor and control inventories in warehouses.
- Design and development of dashboards to analyze market sales prices and compare them with the company's base.

Codeyssey   **May 2021 – to date**
Robotics teen instructor
- Introduction to robotics teacher at: https://codeyssey.mx/

Self-employment   **February 2021 – September 2021**
Designer and 3D Printing Specialist
- 3D design and part modeling.
- Assembling electronics and 3D printed parts into aroma diffusers.
- Inventory management.

Tecnológico de Monterrey, Campus Santa Fe   **August 2016 – December 2020**
Projects:
Database and Data Acquisition Methodology Developer **August 2020 – December 2020**
- GUI design, programming, and development.
- Data acquisition management using Python and Microsoft Excel.

Smart Irrigation System Developer   **August 2019 - December 2019**
- Sensor's hardware and software investigation.
- Web application development.
- Manipulation through protocols such as I2C, SPI, UART and communication through Wi-Fi.
- Prototype design and testing.

FESTO Station Programmer   **August 2019 - December 2019**
- S7-300 and S7-1500 PLCs programming.
- Web application development.
- Digital simulation using Siemens software.

Scholarship service:
Intern at Engineering laboratories   **January 2019 - March 2020**
- Review the correct operation of material and equipment loaned to students.
- Laboratories and machines supervising.

Intern at New Incoming Students Attention Center   **August 2016 - December 2018**
- Providing attention at the reception and attending phone calls.
- Helping with recruitment events.

Centro Comunitario Santa Fe   **January 2018 - May 2019**
Social Service
- English, science, and physical education teacher.

ACADEMIC STUDIES

Tecnológico de Monterrey   **August 2016 – December 2020**
Mechatronics Engineering