Hello
I'm Julio Zambrano

Mechatronics Engineer specialized in

Data Science and *Machine Learning*

Mexican citizen eligible for a NAFTA Professional work permit / TN Visa.

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[Kaggle](#) | [LinkedIn](#) | [Xing](#) | [GitHub](#)

Skills

- Python, R, JavaScript, C , MATLAB
- Google Cloud ML Engine, Google Colab, Jupyter Notebook
- Scikit-Learn, H2O, Tensorflow, Pytorch
- Data Analysis, Problem solving, Teamwork
- Web Development, Computer Programming
- Copywriting, Communication | ES, EN, PT, IT, DE
- Time Management, Business Management, Customer Service
- **15 years of work experience at leading positions**

Experience

February 2021 - PRESENT
[CENIDET](#), Cuernavaca, MX - Junior Machine Learning Engineer | Internship

- Collected and documented users' requirements and developed logical and physical specifications
- Researched, evaluated and synthesized technical information to design, develop and test computer-based systems
- Developed data and process models to optimize architecture and to evaluate the performance and reliability of designs
- Assessed, tested, troubleshooted, documented, upgraded and developed maintenance procedures for applications software

  Key Achievement: Development of a Machine Learning model for preventive maintenance for robotic arms for palletizing (cobots)

August 2020 - February 2021
[CENIDET](#), Cuernavaca, MX - Junior Machine Learning Engineer | Social Service

- Researched, evaluated and synthesized technical information to design, develop and test computer-based systems
- Assessed, tested, troubleshooted, documented, upgraded and developed maintenance procedures for applications software

Key Achievements: Reached an agreement with a local company to develop a preventive maintenance system with Machine Learning for robotic arms. Provided introductory Machine Learning courses for the staff of that company

September 2017 - PRESENT
[ICS Digital](#), **Remote** - Web Content Writer - Copywriter (ES, PT)

- Conceived and wrote material for online publication
- Conducted research to establish factual content and to obtain other necessary information
- Studied and determined selling features of products and services and wrote text for advertisements

  Key Achievement: Conceived and wrote the online content for the Copa América - Latam campaign for the online casino Betsson

Jun 2017 - PRESENT
[Enida Translations](#), **Remote** - Freelance Translator and Quality Assurance (ES, IT, EN)

- Translated a variety of written advertising material from one language to another, maintaining the content, context and style of the original material to the greatest extent possible
- Revised and corrected translated material
- Identified the terminology used in the corresponding language for the niche of the products to be sold

Oct 2016 - Jul 2017
[Octorate](#), **Rome, IT** - Sales and Support Manager (America)

- Planned, directed and evaluated the activities of the sales department for America (US, Canada, Caribbean and Latin America)
- Lead the sales team in building relationships with business clients and managed negotiations of sales contracts
- Worked with the marketing department to understand and communicate marketing messages to the American market
- Translated a variety of written advertising material from one language to another, maintaining the content, context and style of the original material to the greatest extent possible
- Localized software and accompanying technical documents to adapt them to another language and culture (IT to ES, PT, EN)
- Conducted terminological research for the preparation of glossaries, technological files, and resource centres, and add to terminological databases

  Key Achievement: Lead the company to boost start the sales of the software outside of Europe, achieving contracts with multiple clients in México, Canada, the US, Brazil, Chile, Perú and Argentina

Sep 2014 - Sep 2016

Tim Hortons, **Didsbury, AB, CA** - Food Counter Attendant / Night shift baker

- Took customers' orders
- Cleaned, peeled, sliced and trimmed foodstuffs using manual and electric appliances
- Used equipment such as grill, oven, dispensers and others to prepare fast food items like sandwiches, donuts, soups and salads
- Portioned, assembled, and wrapped food, as well as placed it directly on plates for service to patrons, and packaged take out food
- Used equipment to prepare hot beverages such as coffee and tea specialties
- Stocked refrigerators and food displays and keep records of the quantities of food used
- Received payment for food items purchased
- Washed work tables, cupboards and appliances
- Removed trash and cleaned kitchen garbage containers
- Unpacked and stored supplies in freezers, refrigerators, cupboards and other storage areas
- Swept and mopped floors, and performed other duties to assist the restaurant staff
- Washed dishes, glassware, flatware, pots and pans using dishwasher and by hand
- Replenished condiments and other supplies at tables and in serving areas

    Key Achievement: Helped the store to have a successful opening into a new location

Sep 2013 - Sep 2014
CompuCom, **Mexico City, MX** - Multilingual Help Desk Technician (ES, PT, EN)

- Communicated electronically with computer users experiencing difficulties to determine and document problems experienced
- Consulted user guides, technical manuals and other documents to research and implement solutions
- Emulated and / or reproduced technical problems encountered by users
- Provided advice and training to users in response to identified difficulties
- Provided systems, network and Internet support to users in response to identified difficulties
- Collected, organized and maintained a problems and solutions log for use by other technical support analysts (Knowledge base)

    Key Achievement: Lead the support team for the PT and ES users in the Air Products campaign

Sep 2009 - Jul 2013
Starbucks, **Mexico City, MX** - Store Manager

- Planned, organized, directed, controlled and evaluated the operations of different cafeterias
- Implemented operational procedures to be carried out in the cafeterias
- Recruited staff and oversaw staff training
- Set staff work schedules and monitored staff performance
- Controlled inventory, monitored revenues and modified procedures

- Resolved customer complaints and ensured that health and safety regulations were followed
- Negotiated arrangements with clients for catering

  Key Achievement: Successfully lead the opening of the Hospital Ángeles Metropolitano branch, overpassing the sales forecast by 100% after one year

Sep 2006 - Sep 2009
Cinemex, **Mexico City, MX** - Shift Supervisor (Audio and Image Projection)

- Established work schedules and procedures and coordinated activities with other departments
- Requisitioned supplies and materials
- Ensured smooth operation of computer systems, projection equipment and machinery, and arranged for maintenance and repair work
- Checked the condition of the movie copies; set up and load film reels on movie theatre projection systems, adjusted focus, sound levels and other projector and theatre settings; and maintained projection equipment

Education

Sep 2018 - PRESENT
Instituto de Ingenieros de Morelos, **Cuernavaca, MX** - BA. Eng. - Mechatronics

- **Top of the class:** Final grade 9.5 out of 10

Sep 2003 - Jul 2006
Colegio de Bachilleres, **Mexico City, MX** - Informatics Technician Diploma

Certificates and Diplomas

Apr 2021
The Data Science Course 2021: Complete Data Science Bootcamp, **Udemy**

- Python, Jupyter Notebooks, Tensorflow, Modelling, Classification, Regression, Natural Language Processing, Image Processing, Recommendation Systems, Sentiment Analysis

Oct 2020
Curso completo de Machine Learning: Data Science con RStudio, **Udemy**

- R, R Studio, Modelling, Classification, Regression, Natural Language Processing, Image Processing

Sep 2020
Master en R para Data Science y Machine Learning, **Udemy**

- R, R Studio, Modelling, Data Wrangling, Data transformation, Model Deployment and Maintenance

Sep 2020

Machine Learning con R. Data Analytics de Básico a Experto, **Udemy**

- R, R Studio, Data Analysis, Modelling, Shiny, Classification, Regression

Aug 2020
Curso de R para Modelos Básicos de Machine Learning, **Udemy**

- R, R Studio, Regression, Classification, SVM, GBM, Neural Networks

Aug 2020
Professional Certificate Program: Data Science, **edX / Harvard**

- R, R Studio, Modelling, Data Wrangling, Data transformation, Model Deployment

May 2020
Python Programmer, **Instituto Tecnológico de Teléfonos de México S.C.**

- Structures, Algorithms, Data Types

Feb 2020
Professional Certificate Program: Ciencia de Datos, **edX / Tecnológico de Monterrey**

- Python, Tableau, Excel

Dec 2019
Microcontrollers Programmer, **Instituto Tecnológico de Teléfonos de México S.C.**

- PIC Controllers, Assembly Language, Arduino, C Language

Dec 2019
Microcomputers Programmer, **Instituto Tecnológico de Teléfonos de México S.C.**

- Raspberry, Python, Domotics

Aug 2019
Matlab Onramp, **MathWorks**

- Data Structures, Algorithms, Libraries

Aug 2018
Data Analyst, **Instituto Tecnológico de Teléfonos de México S.C.**

- Google Search, Excel, SQL, PowerPoint, Tableau, Python

Aug 2018
Data Finder, **Instituto Tecnológico de Teléfonos de México S.C.**

- Google Search, Excel, SQL, PowerPoint, Tableau

Oct 2017
MicroMasters Program in Robotics, **edX / University of Pennsylvania**

- Kinematics, Artificial Vision, Locomotion Engineering, Dynamics and Control, Artificial Intelligence and Machine Learning