







# VÍCTOR GARCÍA.

DATA SCIENTIST

## INTERESTS

- Software Development
- System Integrations
- Automation with Python
- API Integration

## CONTACT

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## EDUCATION

### Master's degree in Mathematics

Instituto de Investigaciones en Matemáticas Aplicadas,  
Universidad Nacional Autónoma de México.

07/2018 - 05/2020

Mathematical finance.

- *La volatilidad de un activo como movimiento Browniano fraccionario.*

### Bachelor of Mathematics

Universidad de Guanajuato.

07/2013 - 05/2018

Statistics and sampling.

- *Estimador por calibración: Problemas en su implementación y propuestas de soluciones.*

## SOFT SKILLS

Emotional intelligence  
Problem solving

**Resilience**

Critical thinking  
Teamwork

## TECHNICAL SKILLS



## SUMMARY

Senior developer with **6 years of experience** in software development and **Python scripting**. Skilled in building **automations**, **integrating APIs**, and managing both **SQL and NoSQL databases**. Experienced in **web navigation automation** using tools like Selenium, and in working with **version control systems** such as **GitLab**. Adept at designing and maintaining **ETL processes**, writing **custom scripts** for diverse automation needs, and managing **containerized environments** with Docker. Fluent in English (C1) and open to full-time remote collaboration.

## WORK EXPERIENCE

### 12/2024-Today **Generative AI Model Trainer - Outlier**

- Trained an AI model to solve problems while ensuring **human-like conversations**.
- Identified and corrected **Python and LLM errors**, improving model coherence and accuracy.

### 05/2024-12/2024 **Data Science Manager for Advanced Analytics - Grupo Salinas**

- Led and coordinated a team of data scientists and **automation-focused visualization projects**.
- Implemented **predictive analytics and data integration** strategies.
- Reduced **project delivery times** by 20%.

### 03/2023-02/2024 **Tableau Engineer - Points**

- Designed dashboards integrated with **external APIs**, improving **access to partner data**.
- Configured **row-level security** in connected apps, boosting **privacy and accessibility**.
- Reduced **query times** by 75% through **data optimization scripts**.

### 03/2022-02/2024 **Data Engineer - Encora**

- Developed **automation scripts** in Python for processing PDFs and video content.
- Built **text summarization pipelines**, improving processing speed by 60%.
- Conducted **unstructured data analysis**, enhancing quality by 70%.
- Managed **data integration processes** from multiple sources.

### 03/2022-06/2022 **Data Science Engineer - MDLive**

- Documented and analyzed **database table structures**, improving schema clarity by 80%.
- Performed **Ruby on Rails migrations**, optimizing database performance by 35%.
- Maintained **Git-based version control workflows**, minimizing deployment errors.

### 11/2020-02/2022 **Data Scientist - LeasePlan**

- Created **automated data capture and cleaning scripts**, enhancing data readiness.
- Implemented **RPA tools** to reduce repetitive manual work.
- Developed **predictive models** and dashboards for fleet management.

### 03/2020-01/2022 **Data Scientist - Freelancer**

- Built **automated pipelines** for **daily data collection and processing**.
- Created interactive **geo-visualizations** from integrated datasets.

### 08/2018-11/2018 **Research Assistant - RIA, UNAM - Instituto Nacional de Ciencias Médicas y Nutrición Salvador Zubirán**

- Conducted **Bayesian statistical analysis using INLA**, enhancing the accuracy of epidemiological predictions.
- Parallelized processes in **R**, reducing computation times by **900%**.

LANGUAGES		CONFERENCES	
Full Professional Proficiency		06/2023	<b>DeveloperWeek Latin America</b> <u>Five things nobody told you about in data science.</u>
<ul style="list-style-type: none"> <li>Spanish (Native)</li> <li>English (C1)</li> </ul>		05/2023	<b>GNOME Latam 2023</b> <u>Seven things nobody told you about in data science.</u>
CERTIFICATES		05/2023	<b>Hacker House Encora Aguascalientes</b> <u>Five things nobody told you about in data science.</u>
The Good Clinical Practice (GCP) course, 03/2025.		05/2023	<b>Encora Talent Talks</b> <u>7 cosas que no te dicen de la ciencia de datos.</u>
<u>Introduction to Data Science in Python</u> , 12/2022.		04/2023	<b>Encora Webinar</b> <u>Computational Mathematics and Applications.</u>
LEAN Yellow Belt, 09/2021		12/2022	<b>Decode Your First Job</b> <u>Artificial Intelligence: Let's start from the beginning.</u>
<u>Big Data: adquisición y almacenamiento de datos</u> , 08/2020		11/2022	<b>Django girls</b> <u>Coaching.</u>
<u>Big Data: el impacto de los datos masivos en la sociedad actual</u> , 08/2020		10/2022	<b>Seminario de Computación at CIMAT</b> Aplicaciones industriales de ayer y hoy: 5 usos de la computación matemática en Encora.
<u>Estructuras de datos en Python</u> , 08/2020		09/2022	<b>dojo.live</b> <u>Interview to Gary Hagmueller from Arcion Labs.</u>
<u>Introduction to Git and GitHub</u> , 08/2020		09/2022	<b>Seminario Junior de Estudiantes at Universidad de Guanajuato (UG) Departamento de Matemáticas (DEMAT).</b> <u>Lo que nadie te dice de la ciencia de datos.</u>
<u>Mejores prácticas para el procesamiento de datos en Big Data</u> , 08/2020		09/2020	<b>Seminario Junior de Estudiantes at UG-DEMAT.</b> <u>¿Cómo hacer la bibliografía de tu tesis en 6 clicks o menos?</u>
<u>Introducción a la programación con Python</u> , 07/2020		AWARDS	
<u>SQL for Data Science</u> , 07/2020		2019	<b>Honorable mention in the Poster Session of the XVII Escuela de Probabilidad y Estadística</b> For presenting the poster “INLA como alternativa a MCMC y su uso en un modelo predictivo espacial”.
Data Science Fin-ML/IVADO Workshop Montreal- Guanajuato, 2020		2013	<b>First national place at Festival Académico 2013</b> Award obtained in the mathematics field.
Data science, machine learning and AI for business, 2020		2012	<b>Bronze medal at the 26 Olimpiada Mexicana de Matemáticas (OMM)</b> Being invited to study the Mathematics Degree in the UG by the CIMAT staff.
I Taller Inter-Institucional de Ciencia de Datos e Inteligencia Artificial, 2019		2011	<b>Honorable mention at the 25 OMM</b> Earned through performance in the national stage.
Seminario internacional sobre edición de datos, imputación y no respuesta, 2017		2010	<b>First place in the Hidalgo statatal stage and participation in the ExpoCiencias national stage</b> Participating with a research project about the number $\pi$ (pi).
Competencias tecnológicas para la productividad, 2011		2008	<b>National team member</b> Participating in the 12th Po Leung Kuk Primary Mathematics World Contest, held in Hong Kong.
VOLUNTEER		2006	<b>First place in mathematics in the ENLACE-SEP contest</b> Best score in the ENLACE exam being invited to the awards ceremony at Los Pinos Official Presidential Residence.
Volunteer and data analyst at Bazar de Bandas: Tu banda favorita no cobra aguinaldo, 2024.		PUBLICATIONS	
Collaborator at Mexicanas del Futuro: Trazando Conciencias, Pensando en TI, 2019.		<ul style="list-style-type: none"> <li>García Sánchez. (2019) <b><u>Estimador por calibración Problemas en su implementación y propuestas de soluciones.</u></b> <i>Repositorio Institucional de la Universidad de Guanajuato.</i></li> <li>García Sánchez and Trinidad Hernández. (2018) <b><u>Sobre la luminosidad emitida por máseres de agua en función de otras variables.</u></b> <i>20° Verano de la Ciencia Región Centro, Vol 4. Num. 7.</i></li> </ul>	
Coach of the Preselection of the Guanajuato state for the OMM, 2013-2015.			