VÍCTOR GARCÍA.
DATA SCIENTIST

INTERESTS

- Data Science
- Finances
- Machine Learning
- Sampling

CONTACT

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SUMMARY

Data scientist with research experience in interdisciplinary projects with interest in joining the data analysis area. A disciplined, fast-learning, and adaptable individual. With a willingness to work in a team and the ability to meet objectives within predefined times. Results-oriented.

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.*
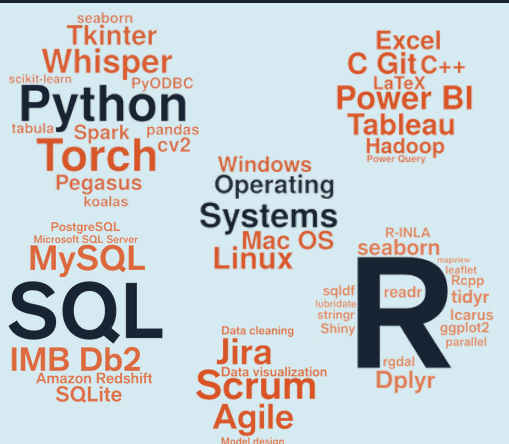
Bachelor of Mathematics
Universidad de Guanajuato.
07/2013 - 05/2018
Statics and sampling.

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

SOFT SKILLS

Emotional intelligence
Complex problem solving
Resilience
Critical thinking
Interpersonal skills

TECHNICAL SKILLS

seaborn, Tkinter, Whisper, scikit-learn, PyODBC, Python, tabula, Spark, pandas, cv2, Torch, Pegasus, koalas, PostgreSQL, Microsoft SQL Server, MySQL, SQL, IMB Db2, Amazon Redshift, SQLite, Jira, Scrum, Agile, Data cleaning, Data visualization, Model design, Excel, C, Git, C++, LaTeX, Power BI, Tableau, Hadoop, Power Query, Windows Operating Systems, Mac OS, Linux, R-INLA, seaborn, mgcv, leaflet, Rcpp, tidyr, sqldf, lubridate, stringr, Shiny, readr, Icarus, ggplot2, parallel, R, rgdal, Dplyr

WORK EXPERIENCE

03/2023-02/2024 **Tableau Engineer - Points**
Helps make loyalty program currencies more useful for members, giving them innovative ways to get, move, and keep their points.
- Dashboard creation.
- Tableau connected app configuration for having dashboards for partners with row level security.

03/2022-02/2024 **Data Engineer - Encora**
Digital engineering services company with global capabilities.
- Unstructured data analysis.
- Table extraction from PDFs.
- Script generation from videos.
- Automated summarization of texts.

03/2022-06/2022 **Data Science Engineer - MDLive**
Virtual visits vendor with independently contracted, board-certified doctors.
- Analysis of tables fields.
- Data warehouse tables annotations.
- Ruby on rails migrations.
- Version control with Git.

11/2020-02/2022 **Data Scientist - LeasePlan**
Automobile leasing and fleet management company.
- Data cleaning and missing data imputation.
- Dashboard creation.
- Robotic Process Automation.
- Model development and validation.
- Big data consulting processes for business intelligence.

03/2020-01/2022 **Data Scientist - Freelancer**
Data science projects development on own initiative for public benefit.
- Daily data capture automation.
- Interactive visualization of georeferenced data.

01/2020 **Participant in research project - HDI**
Estimation of Future Property Insurance Cancellations project within the framework of the 13o. Taller de Solución de Problemas Industriales carried out at Centro de Investigación en Matemáticas (CIMAT).
- Models design for the prediction of policy cancellation and comparison of different models.
- Data viewer creation to identify actual cancellations and late payments.

Full Professional Proficiency
- Spanish (Native)
- English (**C1**)

CERTIFICATES

Introduction to Data Science in Python, 12/2022.

Mejora tu habilidad de escucha activa, 03/2022

LEAN Yellow Belt, 09/2021

Big Data: adquisición y almacenamiento de datos, 08/2020

Big Data: el impacto de los datos masivos en la sociedad actual, 08/2020

Estructuras de datos en Python, 08/2020

Introduction to Git and GitHub, 08/2020

Mejores prácticas para el procesamiento de datos en Big Data, 08/2020

Introducción a la programación con Python, 07/2020

SQL for Data Science, 07/2020

Data Science Fin-ML/IVADO Workshop Montreal- Guanajuato, 2020

Data science, machine learning and AI for business, 2020

I Taller Inter-Institucional de Ciencia de Datos e Inteligencia Artificial, 2019

Seminario internacional sobre edición de datos, imputación y no respuesta, 2017

Competencias tecnológicas para la productividad, 2011

Life Styles, 2007-2009

VOLUNTEER

Collaborator at **Mexicanas del Futuro: Trazando Conciencias, Pensando en TI**, 2019.

Coach of the **Preselection of the Guanajuato state for the OMM,** 2013-2015.

CONFERENCES

06/2023	**DeveloperWeek Latin America**
	Five things nobody told you about in data science.
05/2023	**GNOME Latam 2023**
	Seven things nobody told you about in data science.
05/2023	**Hacker House Encora Aguascalientes**
	Five things nobody told you about in data science.
05/2023	**Encora Talent Talks**
	7 cosas que no te dicen de la ciencia de datos.
04/2023	**Encora Webinar**
	Computational Mathematics and Applications.
12/2022	**Decode Your First Job**
	Artificial Intelligence: Let's start from the beginning.
11/2022	**Django girls**
	Coaching.
10/2022	**Seminario de Computación at CIMAT**
	Aplicaciones industriales de ayer y hoy: 5 usos de la computación matemática en Encora.
09/2022	**dojo.live**
	Interview to Gary Hagmueller from Arcion Labs.
09/2022	**Seminario Junior de Estudiantes at Universidad de Guanajuato (UG) Departamento de Matemáticas (DEMAT).**
	Lo que nadie te dice de la ciencia de datos.
09/2020	**Seminario Junior de Estudiantes at UG-DEMAT.**
	¿Cómo hacer la bibliografía de tu tesis en 6 clicks o menos?

AWARDS

2019	**Honorable mention in the Poster Session of the XVII Escuela de Probabilidad y Estadística**
	For presenting of the poster "INLA como alternativa a MCMC y su uso en un modelo predictivo espacial".
2013	**First national place at Festival Académico 2013**
	Award obtained in the mathematics area.
2012	**Bronze medal at the 26 Olimpiada Mexicana de Matemáticas (OMM)**
	Being invited to study the Mathematics Degree in the UG by the CIMAT staff.
2011	**Honorable mention at the 25 OMM**
	Achived by score in the national stage.
2010	**First place in the Hidalgo statatal stage and participation in the ExpoCiencias national stage**
	Participating with research project about the number π (pi).
2008	**National team member**
	Participating in the 12th Po Leung Kuk Primary Mathematics World Contest contest held in Hong Kong.
2006	**First place in mathematics in the ENLACE-SEP contest**
	Best score in the ENLACE exam being invited to the awards ceremony at Los Pinos Official Presidential Residence.

PUBLICATIONS

- García Sánchez. (2019) **Estimador por calibración Problemas en su implementación y propuestas de soluciones**. *Repositorio Institucional de la Universidad de Guanajuato.*
- García Sánchez and Trinidad Hernández. (2018) **Sobre la luminosidad emitida por máseres de agua en función de otras variables.** *20° Verano de la Ciencia Región Centro, Vol 4. Num. 7.*