

# ERICK JESUS RIOS GONZALEZ

portfolio.com

erickriosds@gmail.com

9515871972

github.com/erick-rios

CDMX, Mexico

/in/erick-rios5872

## TECHNICAL SKILLS

**Languages:** Java, R, SQL, Python, Excel, Power BI.

**Libraries:** Pandas, Sklearn, NumPy, SciPy, Tensorflow, Keras, Plotly, Matplotlib, Qiskit.

## EDUCATION

DIC/2019 FEB/2024	<b>-Bachelor's Degree in Physics</b>  • Cumulative GPA 9.33 • <i>Relevant courses:</i> Computational Physics, Applied Probability, Numerical Solution of Partial Differential Equations, Numerical Methods.	Universidad Autónoma Metropolitana
AGO/2020 DIC/2024	<b>-Bachelor's Degree in Mathematics.</b>  • Cumulative GPA 9.55 • <i>Relevant courses:</i> Analysis, Databases, Algorithm Analysis, Data Structures, Computer Science, Artificial Intelligence, Probability, Statistics.	Universidad Nacional Autónoma de México

## EXPERIENCE

JUN/2023 OCT/2023 Internship	<b>-Dark Kitchens Intern / Data Science</b>  • Database cleaning. • Development of a Python model to detect growth areas for the Dark Kitchens division of DiDi LATAM. • Implementation of models such as k-NN, decision trees. Python(Pandas, Numpy, Sklearn, Tensorflow) / SQL / Excel	Didi Chuxing Technology Co
OCT/2022 -	<b>Research Assistant / Machine Learning</b>  • Development of a Deep Neural Network for correlating physical variables and topologies of a ferromagnetic material using the Ising Model. • Database cleaning. • Implementation of linear and logarithmic regression models. • Topological data analysis. Python(Pandas, Numpy, Matplotlib, Tensorflow, Keras) / Excel	Universidad Autónoma Metropolitana
OCT/2021 DIC/2022	<b>-Research Assistant / Machine Learning</b>  • Development of a Deep Neural Network to detect signals of Quantum Gravity in Gravitational Waves. Python(Pandas, Numpy, Matplotlib, Tensorflow, Keras) / Excel	Universidad Autónoma Metropolitana
JUN/2022 JUL/2022 Becario	<b>-Research Assistant / Expansion of HII Regions in Molecular Clouds</b>  • Numerical study of the expansion of HII Regions. • We implemented supercomputing facilitated by the National Laboratory of Supercomputing in South-eastern Mexico." Python / FORTRAN	INAOE
MAY/2023	<b>Assistant to the Second School in Quantum Computing</b>  • Study of logic gates and circuits necessary for the development of quantum algorithms. • Creation of a classification algorithm using Quantum Machine Learning on data provided by ICN (Instituto de Ciencias Nucleares).	Instituto de Ciencias Nucleares, UNAM
2023	<b>Data School Participant</b> Attendee at 'Data Month 2023' organized by Microsoft. For learning Data Science, Artificial Intelligence, and Database (SQL).	Microsoft

## LANGUAGES

English - B2+,Japanese -A5, Spanish - Native Speaker