

Enrique David Guzmán Ramírez

Curriculum Vitae

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🌐 Enrique David Guzmán Ramírez

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Age: 23 years (April 20, 1997)



Education

2015 - 2020 **BSc Degree in Physics**, *Facultad de Ciencias, Universidad Nacional Autónoma de México (UNAM)*.

Currently I have finished all my courses but I have some procedures left to get my degree. Grade: 9.54/10. Credits: 100.00%.

High level mathematical knowledge and mathematical skills. Abstract thinking and problem solving. Data analysis, numerical analysis and computer simulations of various phenomena.

2019 - June 2021 **BSc Degree in Data Science**, *Instituto de Investigaciones en Matemáticas Aplicadas y en Sistemas, Universidad Nacional Autónoma de México (UNAM)*.

Currently at the 8th semester of eight. Grade: 9.54/10. Credits: 89.83%.

Processing of large amounts of data. Ability to predict and make decisions based on data. Presentation, data visualization and communication of results.

Languages

Spanish First language.

English Professional competence.

- CAE, Cambridge C1 Level Qualification.
- TOEFL iBT: Reading: 29/30, Listening: 30/30, Speaking: 24/30, Writing: 28/30. Score: 111/120.

French Basic professional competence.

Experience

Academic

Semester 2019-2 **Teacher assistant**, *Facultad de Ciencias, Universidad Nacional Autónoma de México (UNAM)*.

I was teacher assistant in the *Relativity* class, my job was to design the assignments, reinforce the lessons given in class, give students useful tools and support them in doubts that could arise.

Prizes and scholarships

2019 **Programa de Apoyo a Proyectos de Investigación e Innovación Tecnológica PAPIIT** (Support Program for Research and Technological Innovation Projects).

Project: *Dynamics of black holes and fundamental scalar fields*.

Computational skills

Programming Languages Python, Julia, R, Scala, SQL, C, Fortran.

Operating systems Unix/Linux (Ubuntu, Lubuntu, Fedora, Debian) and Windows suites.

Office Suites Microsoft Office and Libre-Office.

Text and presentation tools L^AT_EX, Beamer.

Machine Learning tools	Python: Scikit-learn, PyCaret, PySpark MLlib.
PLN tools	Python: NLTK, spaCy, Stanza, Hugging Face.
Web Development	Javascript/HTML/CSS. Python: Django, Streamlit.
Data visualization	Python: Matplotlib, Seaborn, HoloViews, Bokeh, Folium. R: ggplot2.

Deep Learning Tools	Python: Keras, TensorFlow, PyTorch.
Numerical and symbolic computing	Mathematica.
Databases	PostgreSQL, Apache Cassandra, Redis, MongoDB, Neo4j.

Interests

- Data Science.
- Artificial Intelligence.
- Machine Learning.
- Deep learning.
- Computational Linguistics and Natural Language Processing.