Enrique David Guzmán Ramírez

Curriculum Vitae

Mexico City
℘ +52 55 2531 5377
✉ david_guzmanr@ciencias.unam.mx
⌨ davidguzmanr.github.io
in Enrique David Guzmán Ramírez
⊕ davidguzmanr
Age: 23 years (April 20, 1997)

Education

2015 - 2020	**BSc Degree in Physics**, *Facultad de Ciencias, Universidad Nacional Autónoma de México (UNAM)*, **grade: 9.54/10**. Currently I have finished all my courses but I have some procedures left to get my degree. High level mathematical knowledge and mathematical skills. Abstract thinking and problem solving. Data analysis, numerical analysis and computer simulations of various phenomena.
2019 - 2021	**BSc Degree in Data Science**, *Instituto de Investigaciones en Matemáticas Aplicadas y en Sistemas (IIMAS), Universidad Nacional Autónoma de México (UNAM)*, **grade: 9.60/10**. Currently I have finished all my courses but I have some procedures left to get my degree. 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**	LaTeX, Beamer.
Machine Learning tools	Python: Scikit-learn, PyCaret, PySpark MLlib.	**Deep Learning Tools**	Python: Keras, TensorFlow, PyTorch.
PLN tools	Python: NLTK, spaCy, Stanza, Hugging Face.	**Numerical and symbolic computing**	Mathematica.
Web Development	Javascript/HTML/CSS. Python: Django, Streamlit.	**Databases**	PostgreSQL, Apache Cassandra, Redis, MongoDB, Neo4j.
Data visualization	Python: Matplotlib, Seaborn, HoloViews, Bokeh, Folium. R: ggplot2.	**Cloud services**	AWS, Azure.

Interests

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