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leomau-rg/CV-docs

EDUCATION

Physicist | Faculty of Sciences,
National Autonomous University of Mexico

2024

Mexico City, Mexico

EXPERIENCE

Math and Physics Tutor | Brainly.com

Oct 2020 -

Online

- Writing detailed solutions to US high school Mathematics and Physics problems.
- Elaboration of diagrams and graphs for didactic use.
- Interaction with users via chat for follow-up questions.

Teaching Assistant | Faculty of Sciences,
National Autonomous University of Mexico

Aug 2022 - Jan 2023

Mexico City, Mexico

Courses I taught:

- Differential and Integral Calculus II
- Introduction to Quantum Physics

COURSES AND PROJECTS

Deep Learning with Python
Computational Physics II - 6 months

- Project: Convolutional Neural Network for image classification.
- Fine-tuning pretrained convolutional layers.
- Deep Learning models using Keras and Tensorflow.

Artificial Intelligence
Computational Physics I - 6 months

- Project: Classification of credit card customers using Artificial Neural Networks.
- Exploratory data analysis using Numpy, Pandas and Pyplot.
- Supervised and unsupervised Machine Learning models (k-means, decision trees, reinforcement learning, CNNs, RNNs, GANs).

TOOLS

Programming languages

Python TensorFlow, Keras, Scikit-Learn,

Numpy, Pandas, Pyplot, Networkx

SQL

C++

Julia

Operating systems

Windows

Linux

Other software

Excel

Word

PowerPoint

Jupyter Notebook

LaTeX

Git

LANGUAGES

Spanish - Native

English - Advanced

MOST PROUD OF



International Physics Olympiad

Bronze medal

Yogyakarta, Indonesia

On behalf of Mexico



National Physics Olympiad

Gold medal

León, Guanajuato

On behalf of Mexico City



"Generación Bicentenario"
Scholarship

Awarded to 1000 outstanding students
in celebration of the 200th anniversary
of the Independence of Mexico.