Sergio Alberto De León Martínez

https://github.com/sergio-alberto-dlm

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SKILLS

- **Programming Languages**: Python, C++, R.

- **Programming Frameworks:** TensorFlow, PyTorch, Scikit-Learn, Pandas, Numpy, Matplotlib.

- **Languages:** Spanish (Native), English (Full professional proficiency).

RESEARCH EXPERIENCE

- **Perimeter Institute** — Online, Canada
  PSI Start Program: Physics Workshop — *Summer 2022*
  - **Modern Numerical Methods**:

- **UASLP** — S.L.P., Mx
  Math research stay: Lie algebras and algebraic structures, under supervision of Dr. Gil Salgado. — *2022*

- **UNAM** — Online, Mx
  Math research stay: Differential Geometry and Metric Spaces, under supervision of Dr. Raquel Perales. — *Winter 2020*

PROJECTS

- **Implementation of VAE::** **Implement Variational AutoEncoder to detect phase transittion in the 2-D Ising model.**

EDUCATION

- **Research Center of Mathematics (CIMAT)** — Gto, Mx
  Master of Science in Computer Science — *Aug. 2023 – Current*

- **Autonomous University of San Luis Potosí** — S.L.P, Mx
  Bachelor's Degree in Physics; GPA: 3.58 — *Aug. 2017 – Dec. 2022*

WORKSHOPS

- **Summer school CIMAT** — Gto, Mx
  Summer, 2022

- **Mathematical Relativity: A Riemannian Approach program,** — Gto, Mx
  Summer, 2019