

Enrique Alexander Luna Sanchez alexander.lunasanz@gmail.com
Monterrey, N.L | +52 477 660 8272 |
www.linkedin.com/in/enrique-alexander-luna-sánchez-755459389
| <https://github.com/Im-AlexMoon>

Summary

Third-semester data science & mathematics student with **GPA 97/100**, hands-on **machine learning** and **optimization** projects, and experience in **robotics** teamwork. **Python**, **C++**, **MATLAB** and analytical skills to apply in real-world problems;

Education

Tecnológico de Monterrey Expected may 2028
B.S. in Data Science & Mathematics Engineering **GPA: 97/100**
Relevant Coursework: Multivariable Calculus, Linear Algebra, Probability & Statistics, Object Oriented Programming

Technical Skills

Programming: Python; C++; MATLAB; Arduino
ML/DS: CNNs, Supervised Learning, Data Analysis, Optimization with Metaheuristic Algorithms
Tools/Libraries: NumPy, pandas, scikit-learn, TensorFlow/Keras, Git

Projects

Breast Cancer Detection with CNN *Python, TensorFlow/Keras, NumPy, pandas*

- Developed a **convolutional neural network** to classify ultrasound images; **achieved 96% accuracy**.
- Produced a web application to use the model.

Material Waste Optimization for Chancellery Manufacturing *python, Simulated Annealing*

- Modeled cutting-layout optimization for a stationery/chancellery process; applied a **metaheuristic algorithm** to minimize trim loss.
- Validated against heuristic baseline; **reduced waste by 65.7%** and improved material utilization under production constraints.

Leadership & Activities

Member, Artemis Robotics Team Sept 2024 – Jul 2025

- Collaborate on mini-sumo robot design, electronics, and programming for state and national competitions.

Languages

Spanish: Native | **English:** C1