

Sofia Moreno Lopez

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Links

[github/sofia-lpz](#)

Education

Tecnologico de Monterrey
2022 - 2026

BEng Computer Science

- GPA 96.7/100
- Academic Talent Scholarship

Technologies

Python,
C#, C++, Matlab,
Tableau, Power BI,
SQL, MySQL, Postgres,
Database Management

Unity, Game development,
Pytorch, TensorFlow,
Minigrid

HTML, CSS, Javascript,
Java, Spring Boot, Testing
REST API,
Node.js, Express.js, React.js

Jira, Github Projects,
Google Docs, Slides, Sheets
Microsoft Office:
Powerpoint, Excel, Word.

Git, Github, Gitlab, Linux

Skills

- Independent research and work with minimal supervision
- Scrum Methodology
- Adaptability

Experience

Bono - Software Engineering Intern

June 2024 - Present

- Developing SaaS for carbon emission calculations used by clients such as Grupo Modelo and F1 Mexico Grand Prix.

Tecnologico de Monterrey - AI Research Assistant

January 2024 - Present

- Suggesting improvements for stale backpropagation in deep neural networks to accelerate training time. Python.
- Cognitive cooperation in reinforcement learning using empowerment and action inference. Python.
- Defense from adversarial attack on deep learning in computer vision.

Tecnologico de Monterrey - Backend Intern

September 2023 - December 2024

- Developing a web application to manage academic schedules for university employees and students.

Awards

Bono EcoHack Hackathon Winner

May 2024

Amazon Web Services HackMX5 Hackathon Finalist

October 2023

Massachusetts Institute of Technology HackMX6 Hackathon Winner

October 2024

Massachusetts Institute of Technology Policy Hackathon Participant

November 2024

- Invited as a winner of HackMX6

Academic Distinction U-Lead

August 2022 - Present

Languages

Native Spanish speaker

Proficient English speaker, IELTS 8.5
