Education

- **Common Core Completed - 42Quebec**
  17 oct 2022 - 17 jun. 2024
- **Master: Formation d'Architecte en Technologie Numérique - 42 Paris**
  23 April 2025 - progress
- **AI Programming with Python.**
  2024 - Udacity y AWS.
- **Google Data Analytics**
  2025 - Google
- **Full Stack JavaScript Developer.**
  2022 - Udacity
- **AWS Machine Learning Fundamentals**
  2024 - Udacity y AWS.

Expertise

- **Frontend:** Svelte, Angular.js, React.js, Web-Components, Object-Oriented-Programming, JavaScript, TypeScript, Html and CSS.
- **Backend:** Express.js, Next.js, Nest.js, Django, C++, Python.
- **Database:** Mongo DB, Mysql, PostgreSQL, Google Firebase.
- **Cloud:** Google Cloud, AWS.
- **Apps:** Flutter.
- **AI:** Tensorflow, PyTorch.
- **IoT:** LoRa, Wifi, Bluetooth.
- **Soft skills**: Effective communication, teamwork, collaboration, problem-solving, critical thinking, creativity, adaptability, empathy

Contact

✉ **Email**

diegofcolunalopez@gmail.com

diegoluna@moonmakers.org

Language

- **Spanish (Native)**
- **English (Advanced)**
- **French (Intermediate)**

DIEGO FRANCISCO LUNA LOPEZ

SOFTWARE DEVELOPER in Linkedin ⬡ Github

I am co-founder of MoonMakers, an educational organization that collaborates with renowned institutions such as Sesame Street, Science Friday, Make Community, Micro:bit Educational Foundation, Arduino and others.I specialize in technological innovation, my experience includes leading meaningful technology projects with a significant social impact. Through MoonMakers, I have developed educational content and active learning experiences, organizing events and workshops that promote STEAM education in Mexico and around the world. I am dedicated to advancing technology education and empowering individuals with critical skills for the future.

Experience Partnerships and Collaborations

2025 FACILDATA
Machine Learning & Fullstack Web Development Intern
I contribute to the development and integration of machine learning modules. My role includes supporting backend services using Django and assisting in building responsive user interfaces with Svelte

2024 - 2025 SMARTI Co., Ltd. Japan
Intern in AI-Powered Mobile Application Development and Automatic Classification
Developed an AI-powered recording app with noise detection and voiceprint comparison. Optimized cloud storage with Firebase, integrated ML for speech processing, and built cross-platform mobile apps with offline functionality, enhancing performance and scalability.

2023 - 2024 Micro:bit Educational Foundation
Community Lead, North America
Led community initiatives to engage educators and students in North America with micro:bit projects, focusing on integrating AI and IoT into the curriculum.
- Technologies Used: IoT, APIs, algorithms, artificial intelligence, phyton,

2023 Science Friday
Technology Specialist
Collaborated on creating interactive AI-based educational content and workshops aimed at enhancing STEM education. Involved in projects that utilized AI to create interactive learning experiences for students.
- Technologies Used: AI, machine learning, interactive game design.

2022 European Union - Citizen Science Initiative
Project Leader and Technology Specialist
Developed a citizen science initiative with open-source devices and key research tools to protect water bodies in marginalized Mexican communities.
- Technologies used: frontend, backend, IoT, angular, node.js, firestorm a NoSQL database, LoRa, Arduino, data analyst and Google Cloud.

2020-2021 Make Community
Technology Specialist
Creator and facilitator of the Full Stack Javascript workshop, in the Make Community initiative for university students, 'Maker Learning Labs 2021'. Developed and implemented various technology-focused educational initiatives. Organized and led the first Maker Camp in Spanish.
- Technology used: React.js , MongoDB, Node.js, API REST.

Awards and Recognitions

- **3rd Place Winner - INSIDE Google Cloud '21**
  September 2021
  Cloud Technology Challenge, developing the MoonMakers Photos project. Using Google Cloud databases, AI, virtual machines, servers and more.
- **3rd Place Winner - Google Cloud Hero**
  October 2021
  Contest to test skills in virtual machines, databases, access roles, Kubernetes and more Google Cloud tools.
- **Ranked 11th globally at the Amazon Web Services Student Championship**
  October 2023
  DeepRacer League competitor, using Artificial Intelligence (AI), to create a reinforced learning model.
- **Makers Faires (Berlin, Jalisco, Global, CDMX) - Maker of Merit**
  Recognized as a Maker of Merit for outstanding contributions to the maker community and for developing innovative prototypes and technology products with significant social impact.