

ELIT ACOSTA

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EDUCATION

Instituto Tecnológico de Estudios Superiores Monterrey
Bachelor's Degree in Computer Technologies Engineering
Relevant Courses:

August 2022 - June 2026

- Software Construction and Decision Making
- Data Structures and Fundamental Algorithms Programming
- Devices Interconexion

SKILLS

- **Programming Languages:** Python, JavaScript, HTML, CSS, C#, C++, R, Matlab, Arduino, Swift
- **Frameworks:** React, scikit-learn
- **Databases:** MySQL, Microsoft SQL Server
- **Tools:** Node.js, GitHub, Google Cloud, Unity, Oracle Apex, Excel, Packet Tracer
- **Languages:** English, Spanish Native, French

RELATED EXPERIENCE

iOS Hackathon 2024

March 2024

- Participant in a team of 4 people in the iOS National Hackathon, we tackled the challenge of developing an eco-conscious app, focusing on forest fires, deforestation, carbon footprint reduction, and air pollution. Our Swift-built app featured a 3D interface, leveraging FIRMS data from NASA to provide real-time insights into global environmental issues. With a user-friendly questionnaire, users could calculate their carbon footprint, empowering them to take meaningful action. Prioritizing accessibility, our app aimed to engage a diverse audience, equipping users with the knowledge and tools for a sustainable future.

September 2023

Quantum Hackathon 2023

- Participant in a team of 4 people in the IBM Hackathon, the challenge was to create a code in qiskit that solved the TSP (Traveling Salesman Problem), the main goal was the time efficiency and cost optimization which we solved using quantum computing with graphs to handle the information.

October 2022

Participant in a robotic challenge with Arduino

- Part of a team of 4 people that helped developed the code for a robot with Arduino hardware, the challenge was that this robot had to go in a straight line, detect 4 specific colors, be able to solve a maze, and finally, put a ball in a goal. In this project, my primary role involved coding the functionality that enabled the robot to move in a straight line, additionally, I supported my colleagues in installing the sensors.

OTHER INFORMATION

- Participant in the "BeautifulPatterns camp" imparted by MIT in 2018.
- Assistant in taking pictures of products, and with the shipment of them, in the family business "La Istmeña Brava".
- Taking photographs at a semi-professional level, advertising, portrait, artistic and landscape.
- Teacher for 1 year as a physical education classes to kindergarten children, for my social service.
- Been part of a community that promotes the inclusion of neurodivergence, as chief financial officer.
- Part of a community that developes videogames, and motivates to follow this area, as chief financial officer.