

Karla Valeria Mondragón Rosas

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Education

Tecnológico de Monterrey, Campus Santa Fe

Mexico City

B.S. in Computer Science and Technology

Expected Graduation Date: June 2024

Cumulative GPA: 98 out of 100

Relevant Coursework: Data Structures and Fundamental Algorithms,
Object Oriented Programming,
Device Interconnection,
Software Development and Decision Making.

Projects

Video Game Design and Programming

Mexico City

Group Project in Collaboration with the Mexican Association of Videogames

Ongoing

- Used Unity, C#, MySQL, Javascript and SCRUM to create a video game that lets the user build their own levels and scenarios.
- The project integrates the videogame to a webpage (hosted on a server) and to a database.
- The purpose is to complete the entire development process including documentation, design, implementation of front-end and back-end, and go through feedback with the association.

Design, Configuration and Simulation of a Network

Mexico City

Group Project in Collaboration with the Mexican Informatics Olympics February-March 2022

- Logical and physical design of a WAN with a capacity of 351 devices.
- Used Packet Tracer to program, configure and simulate all the networks.
- Accomplished an optimal network, evaluated by its costs, efficiency and the necessities of the organization.

Leadership and Volunteering

NHSMUN-MX

Mexico City

Director of SOCHUM at IMUNA

Ongoing

- Conceptualized topics that addressed world events and necessities while designing a plausible and interesting committee.
- Collected, integrated and summarized information for the development of the committee and its topics.

Green Chamber of Commerce

Mexico City

Volunteer

Ongoing

- Various cases of SMEs in Álvaro Obregón were analyzed to offer proposals that could integrate the to a circular economy.
- Compilation of success stories in Mexico of circular economy for the implementation of similar strategies in the SMEs analyzed.

Skills and Interests

Programming: C++, Python, C#, Javascript, SQL.

Github: <https://github.com/karla-mond>

Language: English C2 and German A2.

Technical: MATLAB, Unity, Blender.

Interests: Literature, Feminism, Traveling.