

Juan Ramón Ramírez Virgen

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EDUCATION

Universidad de Guadalajara
Informatics Engineering

GPA: 4.0/4.0
Started in August 2021 | Graduating in May 2025

MAJOR PROJECTS

Music Player (June 2022)

Programmed a functional music player with a circular doubly linked list structure in C++.

- Developed the data structure with all its operations, making the player very subtle.
- Built an interactive interface with ASCII code that demonstrated the position changes in the music player, all with gotoxy function.
- Configured the IDE compiler to play the songs, even if they were in wav format.

CRM Crud (January 2023)

Coded a program that simulates a CRM with CRUD operations in JavaScript.

- I create an API with JSON server; the program sends POST petitions to the server with the new client data. It also uses DELETE and PUT methods
- Uses Async Await, REST API, and modules.
- Any changes like create, delete or update are reflected automatically on the API and the index.

File handling (September 2022)

Created a single linked list with the option of saving the information and retrieving it from a text file in C++.

- Each node is a student object with various private attributes and methods.
- Any changes to the list are reflected in the file automatically.
- Developed these operations in dynamic memory and in C++ with fstream library.

Airport simulator (March 2022)

Coded a program that simulates a plane flight with the number of passengers that the use types with dynamic memory, based on queues in C++.

- The program goes through several queues and dequeues simulating various situations. (Buying a ticket, getting on and off the plane, or taking a taxi).
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SKILLS

Programming languages

C++ – 1.5 years

JavaScript – 9 months

C – 7 months

Python – 3 months

Courses

- Completed several JavaScript courses by Udemy.

-Belonged to Interns GDL a support group for young people who want to enter an internship.

Languages

Spanish (Native)

English (Medium-Advanced)