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OBJECTIVE

To obtain an Internship in which I can help in software engineering projects using my technical background, and get the much knowledge I can from these projects and co-workers.

EDUCATION

Superior School of Computer Sciences (ESCOM-IPN)

Bachelor's degree in Computer Systems Engineering

Member of "Competitive Programming Algorithms Club - ESCOM"

Degree Expected: January 2023

CGPA: 83 out of 100 (3.3 out of 4)

TECHNICAL SKILLS AND COURSEWORK

Programming Languages

Proficient: C++, Python3

Beginner: JavaScript, PHP, C

Technologies

HTML5, CSS3 (Bootstrap), Git/GitHub, MySQL, Linux

Computer Science topics

Data structures, Algorithms, Object-Oriented design,
Design and Analysis of algorithms

PROJECTS

Data Structures and Algorithms

May 2021 - Present

This repository stores the Data structures and algorithms implementations that I am learning in courses and books.

- These are developed using the C++ programming language, and all the code is documented.
- This project helps me to understand the way Data structures and algorithms work, and how to use them to solve problems
- This is a project that is being developed while I teach my friends how these data structures and algorithms work and implement them from scratch

CEDAE Medical Center Management System

August 2020 - January 2021

This is the final project of the Object-oriented analysis and design subject at ESCOM-IPN, which was inspired by the original CEDAE website and adds new functionalities asked by the professor such as a management system of its Pharmacy, Employees, Clients, Appointments, and Sales.

- It was developed using HTML, CSS (Bootstrap), JavaScript, and Django.
- I led the team of developers to create the new Web management system of CEDAE, and I was the right-hand man of the SCRUM master to get this project done by the promised deadline.
- I helped to design the user interfaces of the website, developing the Doctor module, developing the Sales module, developing the Pharmacy, and Clients module.

Task Manager

August 2019

This website was developed to satisfy the need to manage your tasks on your personal device using your favorite web browser. This project helped me to use the knowledge acquired in school and online courses.

- It was developed using HTML, CSS, and JavaScript.
- It allows the user to add, modify, sort, and delete tasks.
- It stores the tasks using Local Storage of your favorite browser.

Phone book

September - November 2019

This is the final project of the Data Structures subject at ESCOM-IPN. This project needed a depth analysis to choose the data structure that offers the best efficiency to solve this problem.

- It was developed using the C programming language.
- It allows the user to add, search, modify, and delete the information of their contacts
- It was implemented using an AVL tree to get a good efficiency in all the operations.

EXTRACURRICULAR ACTIVITIES AND ONLINE COURSES

- [JavaScript from scratch](#) on Udemy
- [Git & GitHub from scratch](#) on Udemy (In progress)
- [Programming for Everybody \(Getting Started with Python\)](#) by the University of Michigan on Coursera
- [Computer Science for Web Programming](#) by HarvardX on edX (In progress)
- [Fundamentals of Competitive Programming Algorithms](#) by Competitive Programming Algorithms Club - ESCOM
- [PHP 7 and MySQL from Scratch](#) on Udemy