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Education

Instituto Tecnológico de Estudios Superiores de Monterrey (ITESM)

Bachelor's in Computer Science and Technology

Graduating in July 2024

GPA 95/100

Experience

QA Tester Intern | Centro de Tecnología e Innovación (CTIN)

August 2023 - Present

Fundamental tester for Claro Drive iOS App

- Identify irregularities of the documentation and the actual development.
- Development of the automation pipeline for the tests of the critical features using Cucumber, Gherkins and Appium.

Web App Developer | Kabale S.A de C.V. (Freelancer)

March 2022 - September 2022

Project leader and main developer

- Development of a web application that optimizes the business processes and improves at least 20% of their productivity.
- Management of a 3 members team.
- Fullstack developer role using Html, Css, Javascript, PHP and PostgreSQL.
- Business understanding.

Major Projects

Online Retail Solution for Car Dealerships

January - May 2023

Designed and built a self-administered web application to facilitate online retail operations for automotive dealerships.

- Teamwork of 26 members.
- Led and managed a team of five members.
- Deployment of the final solution in a GCP virtual machine.
- Assumed the position of a full-stack developer.

Multiagent Traffic Simulation

November - December 2022

A multi-agent system designed to enhance traffic flow through intelligent traffic light control.

- Teamwork of 4 members.
- Developed a Python algorithm utilizing the MESA library for agent management.
- Built a Unity visual interface to represent the traffic flow simulation.
- Deploying a Flask server to transmit data from a Python algorithm to the visual interface.

Emergency Alert System for Civil Protection

September - October 2022

Designed and implemented a mobile app for receiving civil protection alerts, integrated with a corresponding web platform.

- Teamwork of 6 members.
- Lead and managed the web platform development.
- Built a Android application using Kotlin.

Skills

Programming Languages

Intermediate: Javascript, Python, Java

Basic: C++, PHP, Kotlin, Swift

Languages

Intermediate: English

Leaderships and awards

1st Place in HackMX Hackathon by ITESM Campus Ciudad de Mexico 2023

1st Place in Nation Hackathon by ITESM Campus Puebla: Discorruption 2022

Participation in ICPC México 2021 Classifiers

Technologies

ReactJs, Express, Typescript, MongoDB, HTML/CSS, SQL Databases, Git, AWS, Cucumber, Gherkins, Appium

Courses

Agile Scrum Master Roles [↗](#)

MIT xPRO - Fullstack Development with MERN stack [↗](#)

Visual Elements of User Interface Design [↗](#)

Work smarter not harder: Time management for personal and professional productivity [↗](#)

Project Management: The basics for success [↗](#)