

Luis Omar Leyva Navarrete

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EDUCATION

Tecnologico de Monterrey

Bachelor of Science in Computer Science and Technology Engineering (ITC)

Monterrey, Nuevo Leon, Mexico

August 2019 – July 2023

EXPERIENCE

Hardware and Software Mentor

FRC Team PrepaTec Overture 7421

August 2019 – Present

Monterrey, Mexico

- Teach members programming principles focused on developing a competition robot using the C++ language and the WPILib.
- Teach members how to safely use tools and physical and mechanical design principles of mechanisms for developing competition robots.
- Coordinating team members during the season's robot development.
- Guide students during events and competitions.

Cybersecurity Intern

CYDSA

August 2022 – February 2023

Monterrey, Mexico

- Management of files and users on SUSE Linux servers.
- Creating documentation using the ISO 27001 standard
- MMonitoring of servers using the PRTG software

PROJECTS

Small Compiler | *Python, Pyparsing*

Spring 2023

- Python 3.11 and the Pyparsing package were used to develop a small compiler for a programming language similar to C++.

Scouting Web App | *JavaScript, React, Node.js, Firebase, Github*

Spring 2022

- A web application and API were developed to gather information on teams during competitions using JavaScript, React, and Node
- Firebase was used for database storage and deployment.

Anomalies Dashboard | *JavaScript, Python, Flask, React, Node.js, Firebase, SQL, Github*

Spring 2022

- HTML, CSS, Javascript, Python, and SQL were used to develop a web application that, connected to an AI model and a database, displays a dashboard for analyzing anomalous behaviors in customer data.

TECHNICAL SKILLS

Languages: JavaScript, Python, C/C++, SQL, HTML/CSS, TypeScript

Frameworks: React, Node.js, Flask, Bootstrap, NextJS

Developer Tools: Git, Github, Firebase, VS Code

Libraries: pandas, NumPy, Matplotlib