

# Luis Omar Leyva Navarrete

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## EDUCATION

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### Tecnologico de Monterrey

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

Monterrey, Nuevo Leon, Mexico

*August 2019 – July 2023*

## EXPERIENCE

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### Hardware and Software Robotics 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
- Monitoring of servers using the PRTG software

## PROJECTS

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### 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

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**Programing 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

**Languages:** Spanish (Native), English (C1)